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modernfold
DOORS ®

modernfold

FIRST AND FINEST IN FOLDING DOORS

modernfold
DOORS
®

Dear Mr. Architect,

The pages that follow are more than a catalog.

It has long been recognized that folding partitions are called upon to do *many* space division jobs.

Here for the first time is a *complete line* of folding partitions which will interpret your creative talent without compromise . . . folding partitions you can specify with utmost confidence because each has been specifically engineered for the job, rather than being an adaptation of a basic unit.

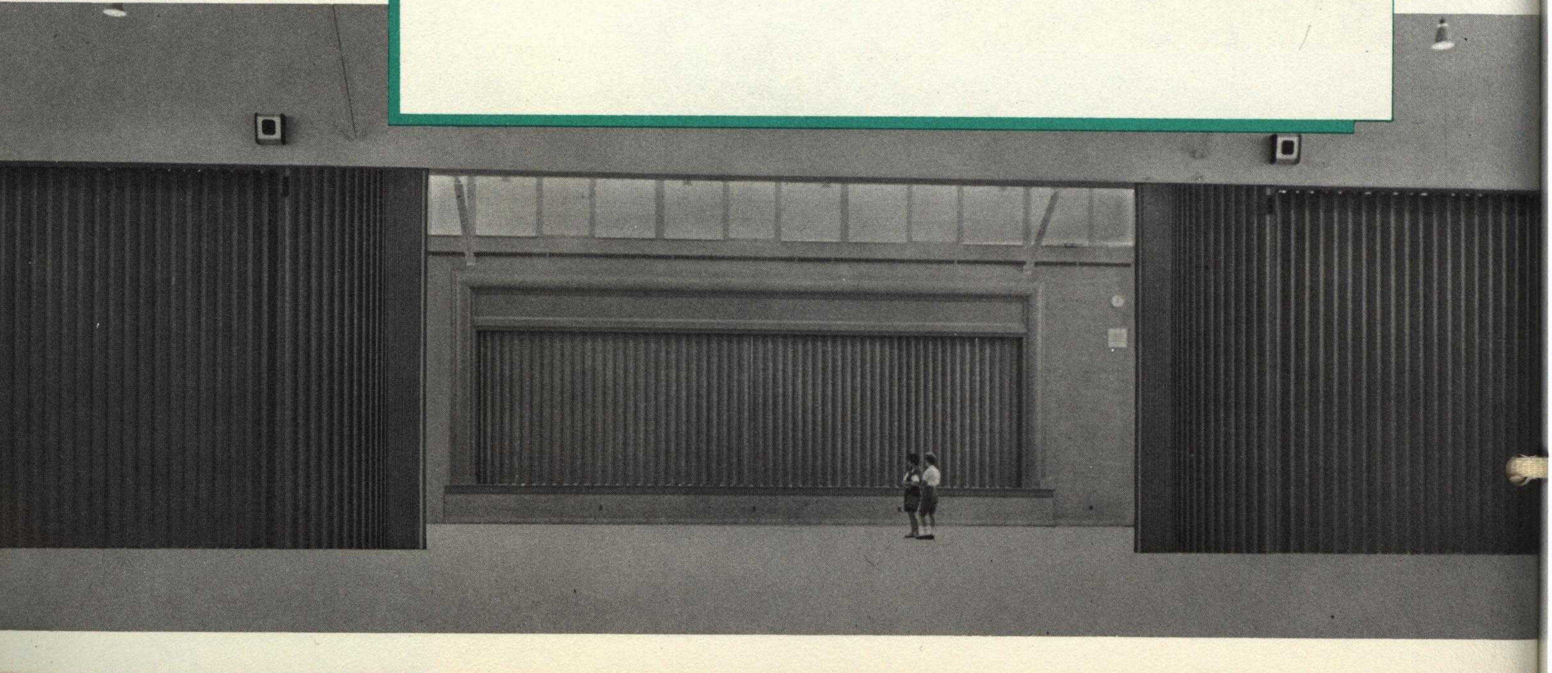
MODERNFOLD is extremely proud to present these commercial lines:

. . . The *Standard* Line for the most economical division of space.
. . . The *Custom* Line for maximum flexibility.
. . . The *Spanmaster* Line for those giant jobs (see below).
. . . The *Soundmaster* Line when sound control is of the essence.
. . . The *Woodmaster* Line when only the richness of genuine hardwood will suffice.
. . . The *Neowood* Line for the look of wood with maximum economy.

In addition, for residential applications, this job-engineering has been carried through the *Crownmaster* and *Spacemaster* Lines.

This is the reason why leading architects know MODERNFOLD as the *complete line* of folding partitions.

A Typical "Spanmaster" Installation



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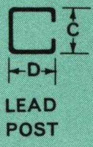
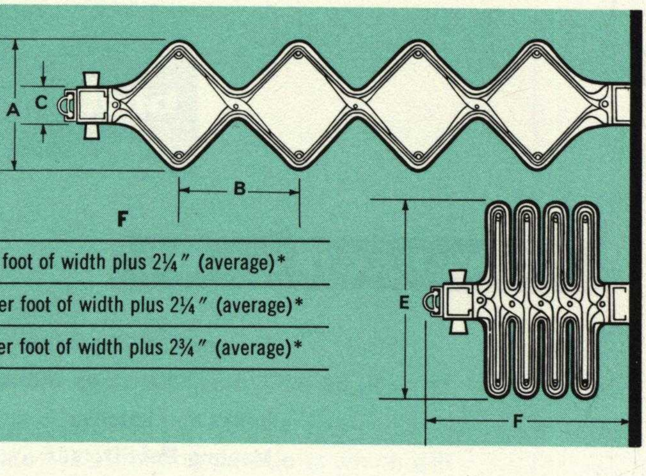
commercial line

door dimensions

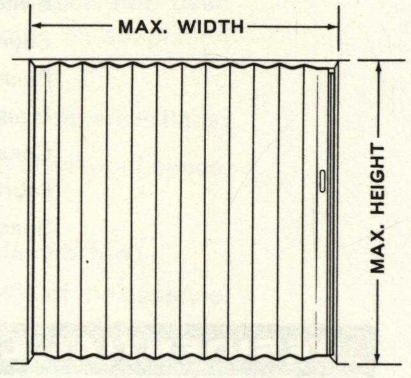




	A	B	C	D	E	F
Standard	5⅝″	7″	1¼″	1¼″	8⅝″	2″ per foot of width plus 2¼″ (average)*
Custom	6¼″	6½″	1¼″	1¼″	8⅞″	2⅛″ per foot of width plus 2¼″ (average)*
Spanmaster	7⅝″	9½″	1½″	1¾″	12⅝″	1½″ per foot of width plus 2¾″ (average)*

*Add ¼″ extra per foot of opening for sound insulated doors.

rated capacities–doors and tracks



	Max. Widths (Single Doors)			Max. Heights		
	With No. 8 Track	With No. 12 Track	With No. 7 Track	With No. 8 Track	With No. 12 Track	With No. 7 Track
Standard	(Limited to available sizes—see below)					
Custom	26′3″	60′0″*	60′0″	12′0″	15′0″	22′0″
Spanmaster	—	60′0″*	60′0″	—	15′0″	22′0″

*Recommended maximum width with curved track is 26′3″.

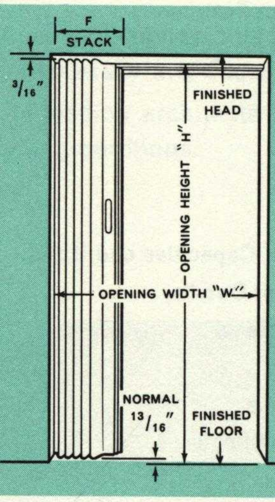
Note: For installation of No. 8 Door on No. 12 track, and No. 8 or No. 12 Doors on No. 7 track, fabric at top of doors must be made for recessed track even though track may be surface mounted.

door sizes

Height Measurement—The height measurement "H" is the distance from finished opening at top to finished floor. All doors are made with an approximate $^{13}/_{16}$″ clearance at the bottom of the door.

Width Measurement—The width measurement "W" is the distance between finished jambs. Door extensions are in 6″ to 7″ increments, so openings ("W") falling between door widths require the next larger size door.

Stack Space—Normal stack space "F" is shown above in the "Door Dimension" chart.



standard sizes

Although Modernfold doors can be made any size, definite economies can be effected by designing opening dimensions to conform to standard heights and widths.

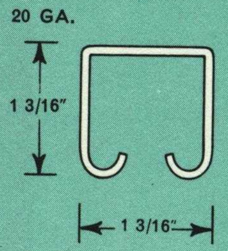
Two standard heights are available—6′8½″ and 8′0″—and standard widths range from 2′6″ to 26′3″, in approximate 7″ increments.

door weights in opening

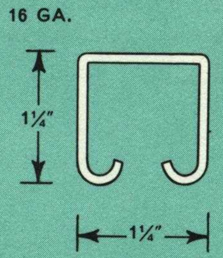
Type Door		Type Door	
Standard	1.75 lbs. per sq. ft. of opening		
Custom	2.50 lbs. per sq. ft. of opening	Soundmaster "80"	4.10 lbs. per sq. ft. of opening
Spanmaster	3.00 lbs. per sq. ft. of opening	Soundmaster "120"	4.25 lbs. per sq. ft. of opening

Note: Weights given include adequate margin of safety.

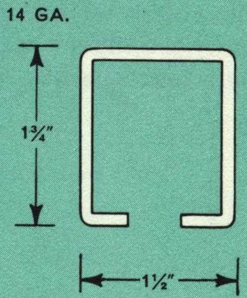
track dimensions



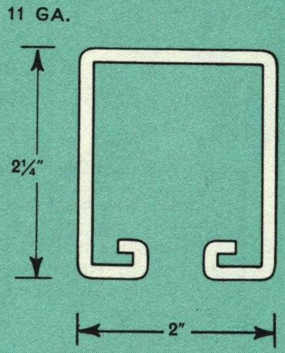
Standard—For use with Standard doors only.



No. 8 Heavy Duty—Same inside dimensions as standard track, but made with heavier gauge metal.

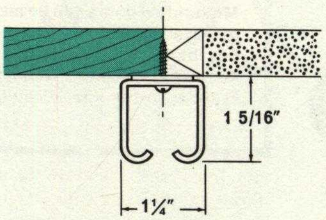


No. 12 Heavy Duty—Both a larger and heavier gauge track (used with ball bearing trolleys) for large commercial jobs. Must be used on all single doors from 12'0" to 15'0" high, and/or all doors over 26'3" wide.

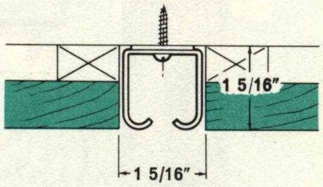


No. 7 Mechanical—This track (used with ball bearing trolleys) must be used on all mechanically operated installations (see page 13), and all doors over 15'0" high.

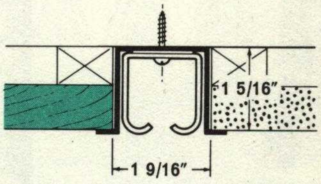
typical track applications



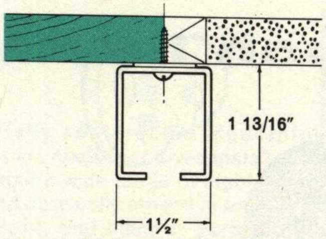
No. 8 Surface Mounted Track



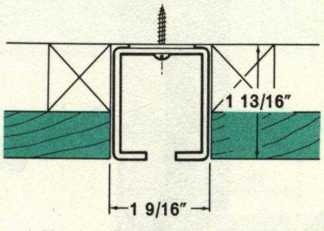
No. 8 Concealed Track



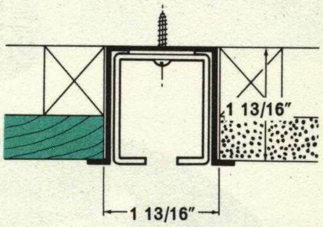
No. 8 Concealed Track
—with sub channel



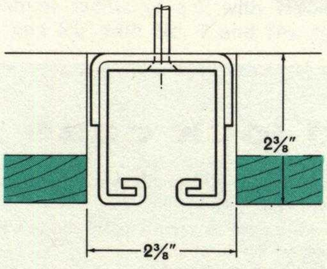
No. 12 Surface Mounted Track



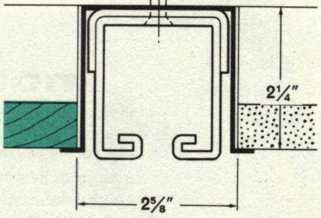
No. 12 Concealed Track



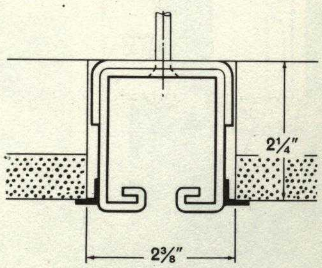
No. 12 Concealed Track
—with sub channel



No. 7 Concealed Track



No. 7 Concealed Track
—with sub channel

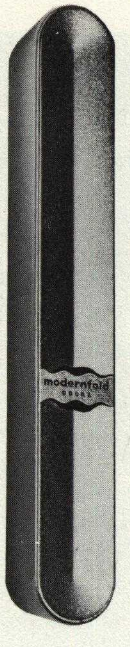


No. 7 Concealed Track
—with plaster angles

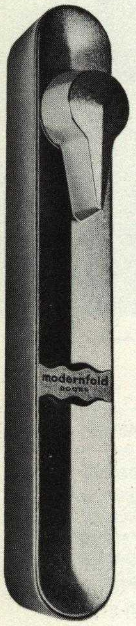
locks and latches

The complete line of hardware for Modernfold's Custom line is designed to provide the last word in appearance, function and performance.

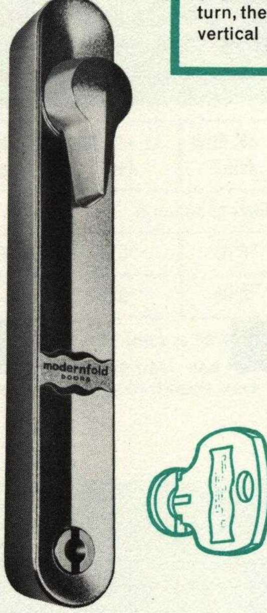
Beginning with the basic pull shown here, the lock and latch system branches out into a highly versatile arrangement that offers an almost unlimited degree of privacy, security and safety. Each of the component parts that make up the system is interchangeable—simplifying alterations in the field.



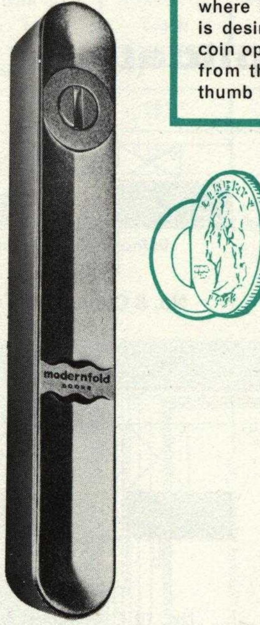
The latching mechanism is placed in the "on" position by giving the thumb knob a 45° turn. To release the latch, return thumb knob to the vertical position.



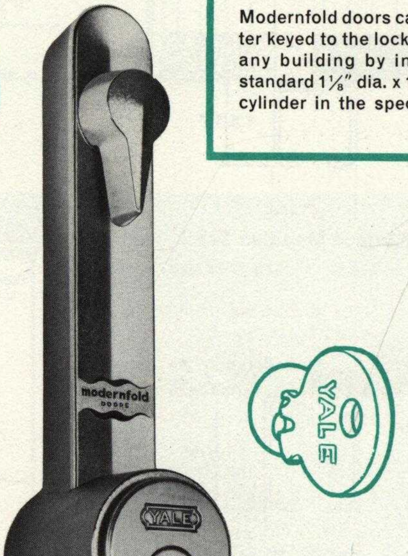
A key lock system is available to provide maximum privacy and security. The lock is engaged by giving the key a 45° turn, then bringing it back to its vertical position for removal.

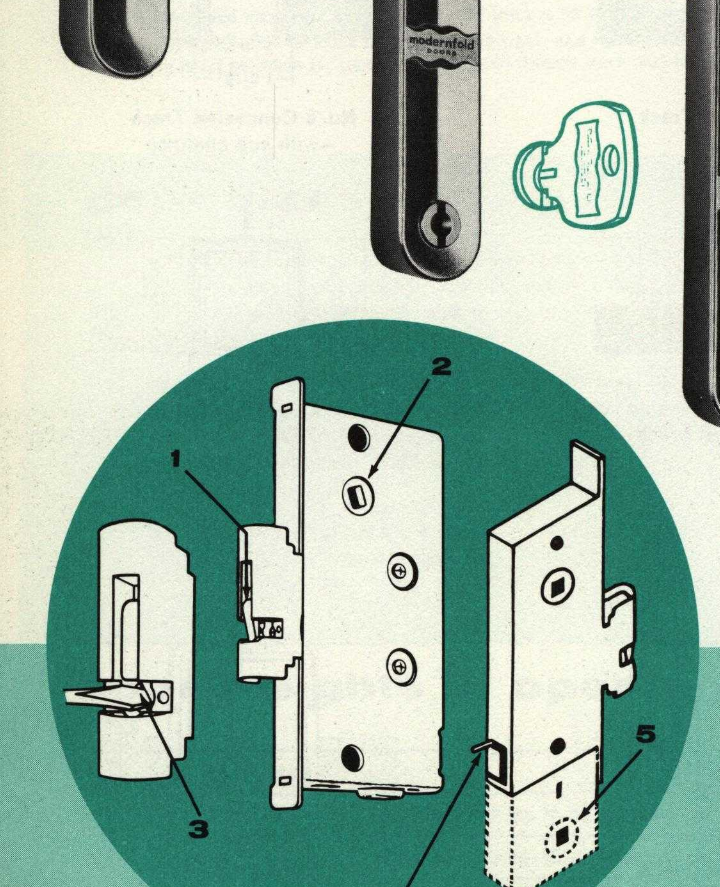


A coin-operated safety button is provided for installations where an emergency release is desirable. A 45° turn by a coin operates the mechanism from the side opposite the thumb knob or key lock.



Modernfold doors can be master keyed to the lock system of any building by inserting a standard 1⅛" dia. x 1" rim type cylinder in the special pull.





modernfold lock case

1. Bolt is spring loaded, and engages or disengages strike plate with normal opening or closing pressure on door.

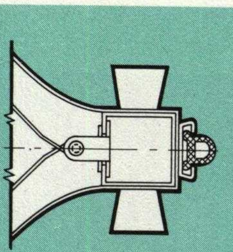
2. Bushing activates locking mechanism within case to secure door, and is operated by thumb knob, coin-operated safety button, or key in all units.

3. Adjusting screw regulates bolt tension to increase or decrease pressure required to open door with lock or latch in "off" position.

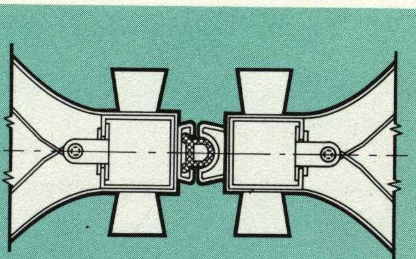
4. Special locking device may be moved to bottom of slot to keep unit permanently in "on" position, making it necessary to use key or thumb knob each time door is opened.

5. Auxiliary lock attaches to case—when locked, this device immobilizes thumb knobs, making it possible to provide key-lock security even though thumb knobs are used.

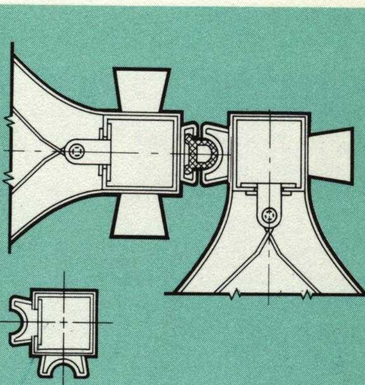
meeting post details



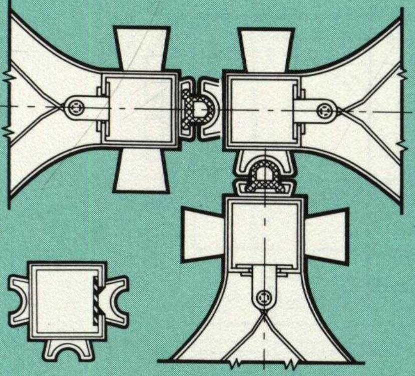
Single Meeting Post Meeting Wall or Jamb



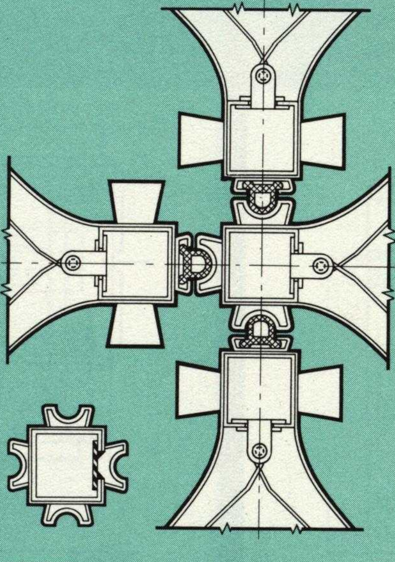
Lead Posts on Pair of Doors



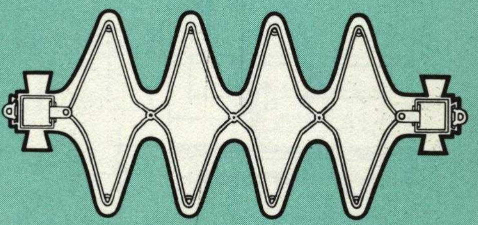
"L" Meeting Lead Posts—The "L" meeting post is often used when two doors meet at right angles to form a separate room in a corner. Available with free rolling "L" post.



"T" Meeting Lead Posts—The "T" meeting post enables three doors to meet at one point and form two separate rooms. Available with free rolling "T" post.



"X" Post Lead Posts—The "X" meeting post acts as the center meeting point for four doors which form four separate rooms. Available with free rolling "X" post.

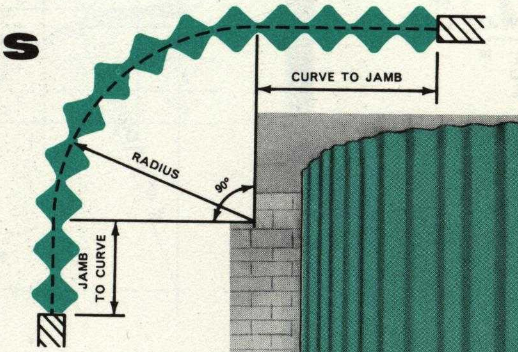


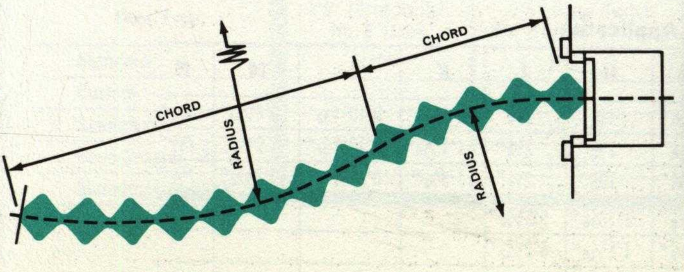
Rolling Post—Rolling post doors—doors not permanently attached to a jamb—fold in either direction. This application is especially suitable for closet openings, and required for passing through switches, pocket installations, etc.

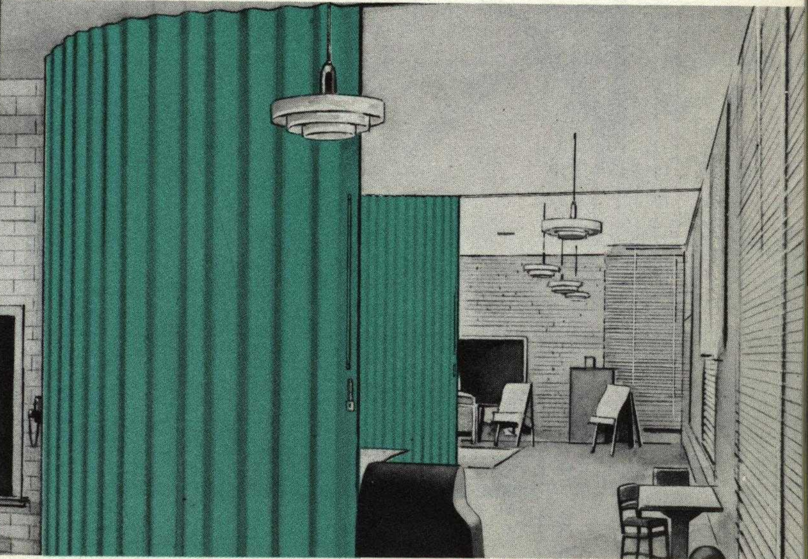
curved doors

Specially constructed Modernfold Doors are made for curved installations to permit a wide range of highly practical and unusually attractive interior applications, that blend in perfectly with the general design and decor of the surroundings.

Minimum radius is 3'6" with No. 8 track, and 5'0" with No. 7 and No. 12 track.



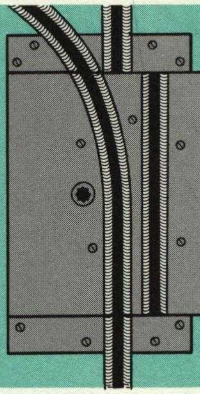




track switches

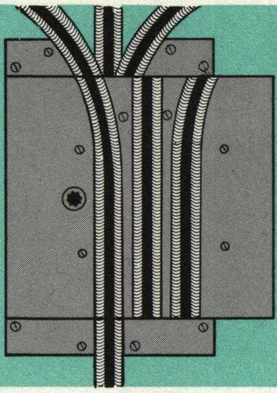
One-way Glide Switch

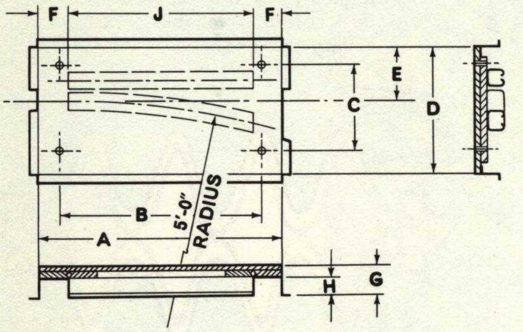
The one-way glide switch transfers doors from one track to another, thus enabling doors to serve multiple functions.



Two-way Glide Switch

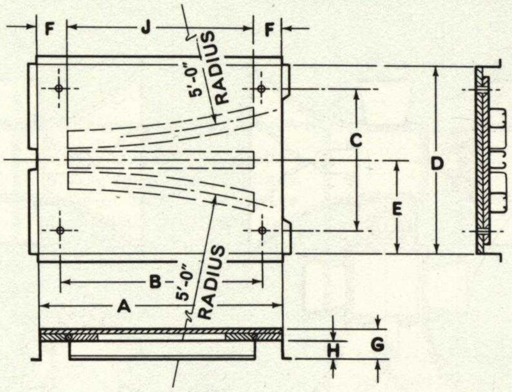
The two-way glide switch operates both to left and to right so that doors can be transferred from one track to two separate tracks.





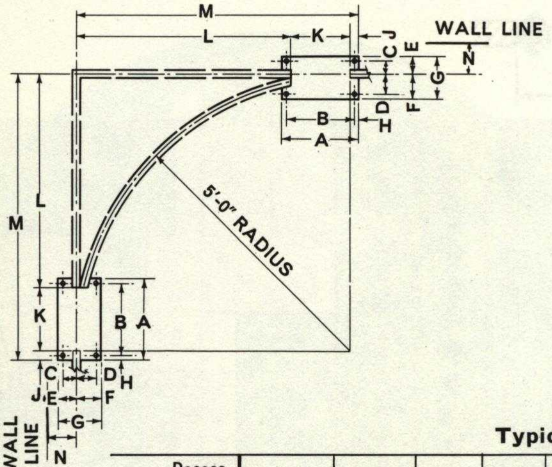
One-Way Glide Switch Dimensions

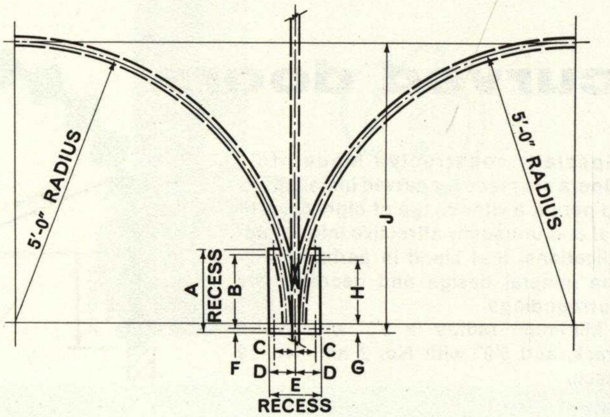
Switch Dim.	A	B	C	D	E	F	G	H	J
No. 8	1′5⁷⁄₁₆″	1′2⁷⁄₁₆″	6″	9″	3¾″	2¹⁄₃₂″	1⅞″	1¼″	1′1⅜″
No. 12	1′5⁷⁄₁₆″	1′2⁷⁄₁₆″	6″	9″	3¾″	2¹⁄₃₂″	2⅜″	1¾″	1′1⅜″
No. 7	1′7¾″	1′4¾″	7¾″	11″	4⅜″	2¹⁄₃₂″	2¹⁵⁄₁₆″	2¼″	1′3¹¹⁄₁₆″



Two-Way Glide Switch Dimensions

Switch Dim.	A	B	C	D	E	F	G	H	J
No. 8	1′5⁷⁄₁₆″	1′2⁷⁄₁₆″	8″	1′0¼″	6⅛″	2¹⁄₃₂″	1⅞″	1¼″	1′1⅜″
No. 12	1′5⁷⁄₁₆″	1′2⁷⁄₁₆″	8″	1′0¼″	6⅛″	2¹⁄₃₂″	2⅜″	1¾″	1′1⅜″
No. 7	1′7¾″	1′4¾″	12″	1′4½″	8¼″	2¹⁄₃₂″	2¹⁵⁄₁₆″	2¼″	1′3¹¹⁄₁₆″





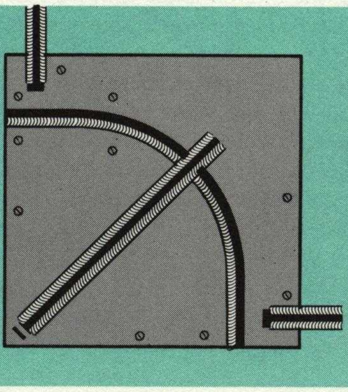
Typical Glide Switch Applications

	Recess Size	A	B	C	D	E	F	G	H	J	K	L	M	N
ONE-WAY	No. 8	1′5¹¹⁄₁₆″	1′2⁷⁄₁₆″	2½″	3½″	3⅞″	5⅜″	9¼″	1⅝″	2⅛″	1′1⁷⁄₁₆″	3′10¹⁹⁄₃₂″	5′2⁵⁄₃₂″	5½″
	No. 12	1′5¹¹⁄₁₆″	1′2⁷⁄₁₆″	2½″	3½″	3⅞″	5⅜″	9¼″	1⅝″	2⅛″	1′1⁷⁄₁₆″	3′10¹⁹⁄₃₂″	5′2⁵⁄₃₂″	7½″
	No. 7	1′8″	1′4¾″	2¾″	5″	4½″	6¾″	11¼″	1⅝″	2⅛″	1′3¾″	3′8⁹⁄₃₂″	5′2⁵⁄₃₂″	7½″
TWO-WAY	No. 8	1′5¹¹⁄₁₆″	1′2⁷⁄₁₆″	4″	6¼″	1′0½″	1⅝″	2⅛″	1′1⁷⁄₁₆″	5′2⁵⁄₃₂″				
	No. 12	1′5¹¹⁄₁₆″	1′2⁷⁄₁₆″	4″	6¼″	1′0½″	1⅝″	2⅛″	1′1⁷⁄₁₆″	5′2⁵⁄₃₂″				
	No. 7	1′8″	1′4¾″	6″	8⅜″	1′4¾″	1⅝″	2⅛″	1′3¾″	5′2⁵⁄₃₂″				

While Modernfold track switches are used in countless installations, they function basically in these three ways: First, they move stacked doors away from congested areas. Second, they enable a single folding door to act as a closure for two or more openings. And third, they make it possible to partition the space in a room in a variety of different ways to suit the immediate space requirements.

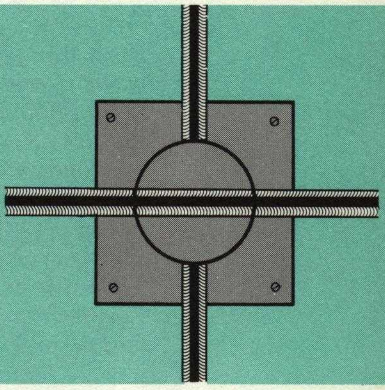
pivot switch

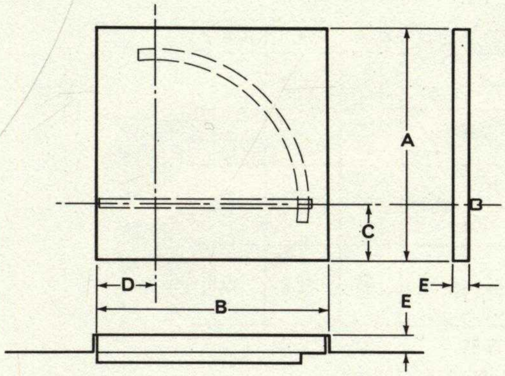
The pivot switch enables the door—when stacked—to pivot in a 90° arc so that door may be extended in more than one direction, or swing out of the way when not in use.

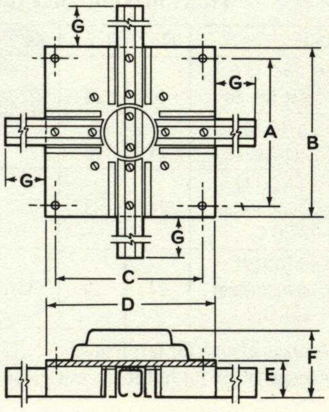


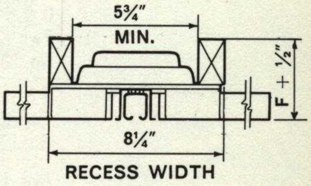
cross-track switch

The cross-track switch permits one door to pass through the track of another installed at a right angle. Available in No. 8 Heavy Duty, No. 7 and No. 12 track size.









Pivot Switch Dimensions

Pivot Switch	Actual Dimension				
	A	B	C	D	E
No. 8 —1'6"	1'8"	1'8"	5"	5"	1¼"
No. 8 —2'6"	2'6"	2'6"	7⁵⁄₁₆"	7⁵⁄₁₆"	2⅝"
No. 8 —3'6"	3'10⅜"	3'10⅜"	7⁵⁄₁₆"	7⁵⁄₁₆"	2⅝"
No. 12—2'6"	2'6"	2'6"	7⁵⁄₁₆"	7⁵⁄₁₆"	2⅝"
No. 12—3'6"	3'10⅜"	3'10⅜"	7⁵⁄₁₆"	7⁵⁄₁₆"	2⅝"
No. 7 —3'6"	3'10⅜"	3'10⅜"	7⁵⁄₁₆"	7⁵⁄₁₆"	2⅝"

Cross-Track Switch Dimensions

Actual Dimension	A	B	C	D	E	F	G
No. 8	7"	8"	7"	8"	1⁹⁄₁₆"	2⅞"	1'2"
No. 12	7"	8"	7"	8"	2¹⁄₁₆"	3⅜"	1'2"
No. 7	7"	8"	7"	8"	2½"	3¹³⁄₁₆"	1'2"

Maximum Door Widths for Pivot Switches

Door Type	1'6" Pivot Switch No. 8 Track	2'6" Pivot Switch No. 8 or No. 12 Track	3'6" Pivot Switch No. 8 or No. 12 Track	3'6" Pivot Switch No. 7 Track
Standard	8'10"	18'1"	26'3"	——
Custom	6'7"	14'0"	19'10½"	19'10½"
Spanmaster	——	16'1½"	24'10"	24'10"
Soundmaster "80"	6'7"	12'11½"	18'9½"	18'9½"
Soundmaster "120"	——	16'1½"	24'10"	24'10"

modernfold DOORS®

"soundmaster" line

When the most important job factor is sound control, the Soundmaster Line—either "80" or "120" is the folding partition to use. Soundmaster has been engineered for sound control, rather than being an adaptation of a basic partition.

Soundmaster panels within the partitions, exclusive sealing devices (the exclusive pull-in latch, jamb sealing channels and sweepstrips); frames with truss-link suspension to carry the heavy Soundmaster panels; and free rolling ball bearing trolleys are a few of the features built into each Soundmaster to provide the ultimate in flexible sound control.

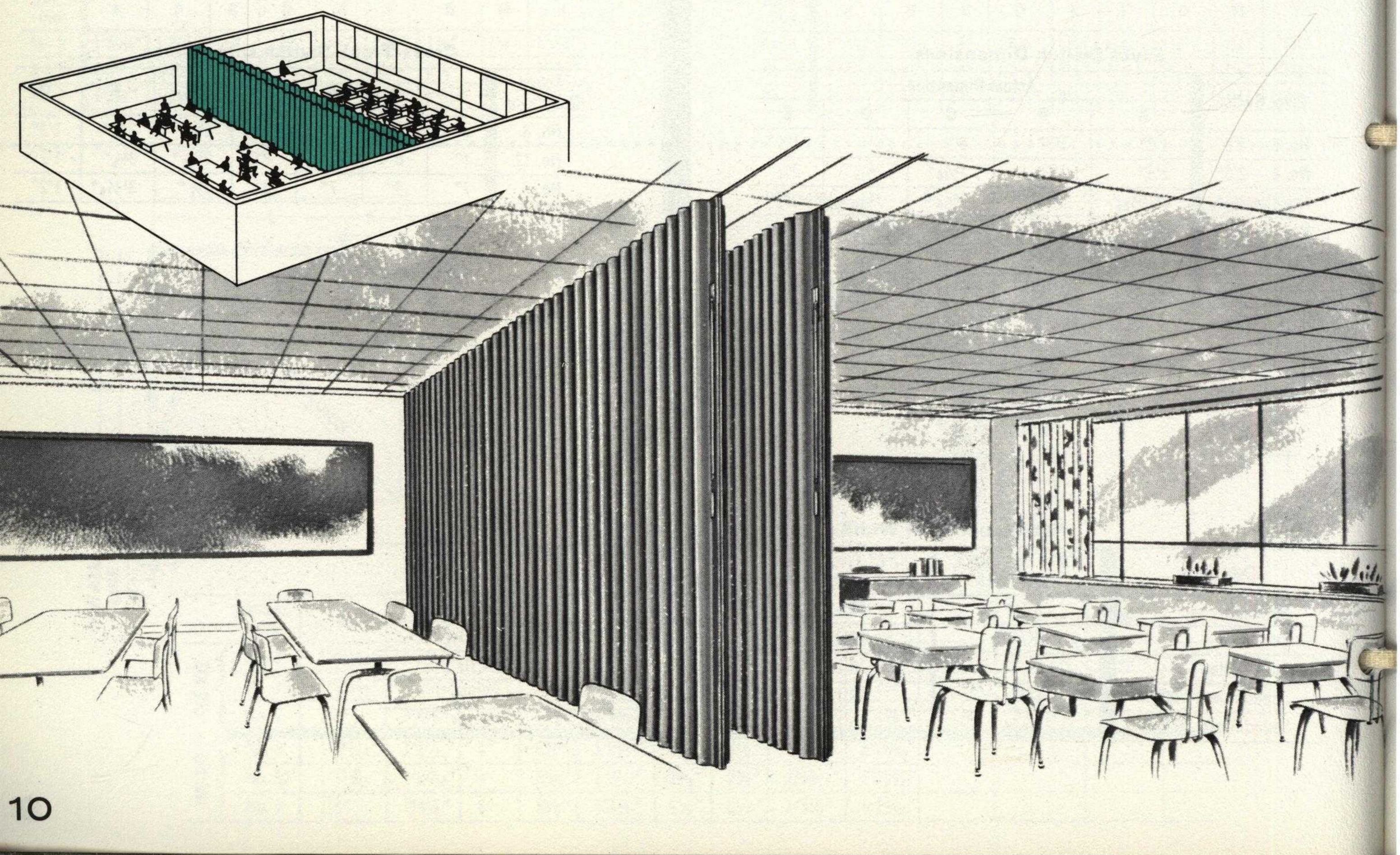
Since constant improvements are being made, ratings can become outdated. The sound ratings below are accurate as of this printing. For the latest information, we suggest that you contact the local MODERNFOLD distributor.

All data in the following tables was obtained by Richard Hamme of Geiger & Hamme Laboratories, Ann Arbor, Michigan. Mr. Hamme is a consultant in acoustics, and served on ASTM Committee E-G on Methods of Testing Building Construction.

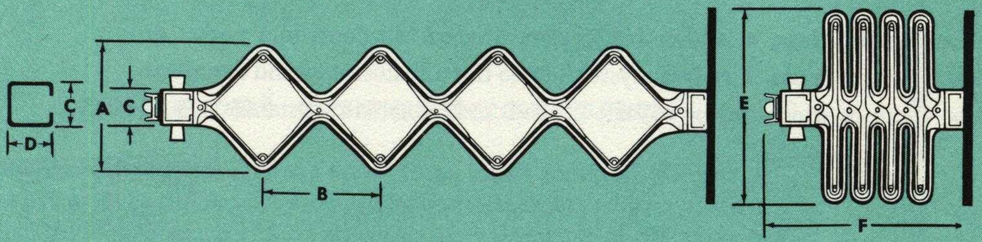
Sound Transmission Loss Tests—Geiger & Hamme Laboratories
Transmission Loss (db.) At Frequency (C.P.S.)

Door Description	125	177	250	354	500	707	1000	2000	4000	Ave. 1	Ave. 2
G & H Test #NC-18T "Soundmaster No. 80"	16	25	22	27	28	32	33	40	47	29.9	34.5
G & H Test #NC-16T "Soundmaster No. 120"	14	23	25	33	33	36	31	43	49	31.9	37.5
G & H Test #NC-17T Two (2) "Soundmaster No. 80"—12" O.C.	24	33	32	39	40	46	46	53	53	40.5	46.2
G & H Test #NC-19T Two (2) "Soundmaster No. 120"—15" O.C.	24	29	33	49	42	49	46	54	54	42.2	49.0

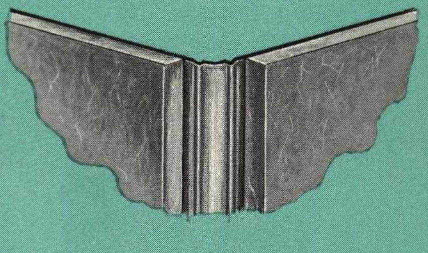
Ave. 1—Average of nine (9) test frequencies (125-4000 cps) per A.S.T.M. E90-55.
Ave. 2—Average of six (6) test frequencies (354-4000 cps) per Folding Door Industry Standards.



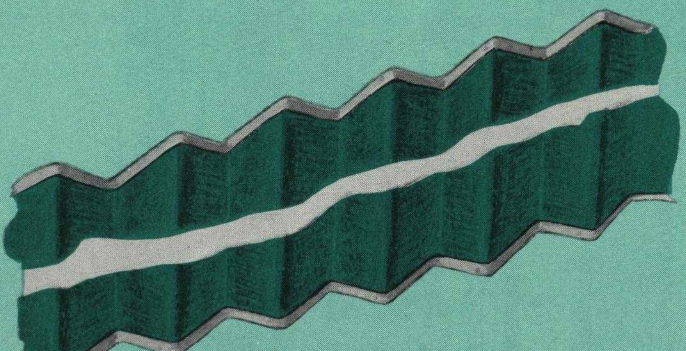
dimensions



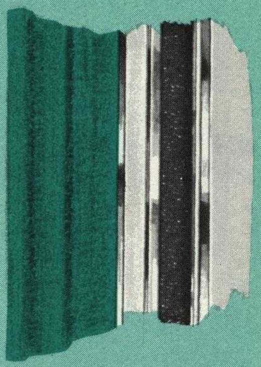
	A	B	C	D	E	F
"Soundmaster 80"	6¼″	6½″	1¼″	1¼″	8⅞″	2⅛″ per ft. of width plus 2¼″ (average)
"Soundmaster 120"	7⅝″	9½″	1½″	1¾″	12⅝″	1½″ per ft. of width plus 2¾″ (average)



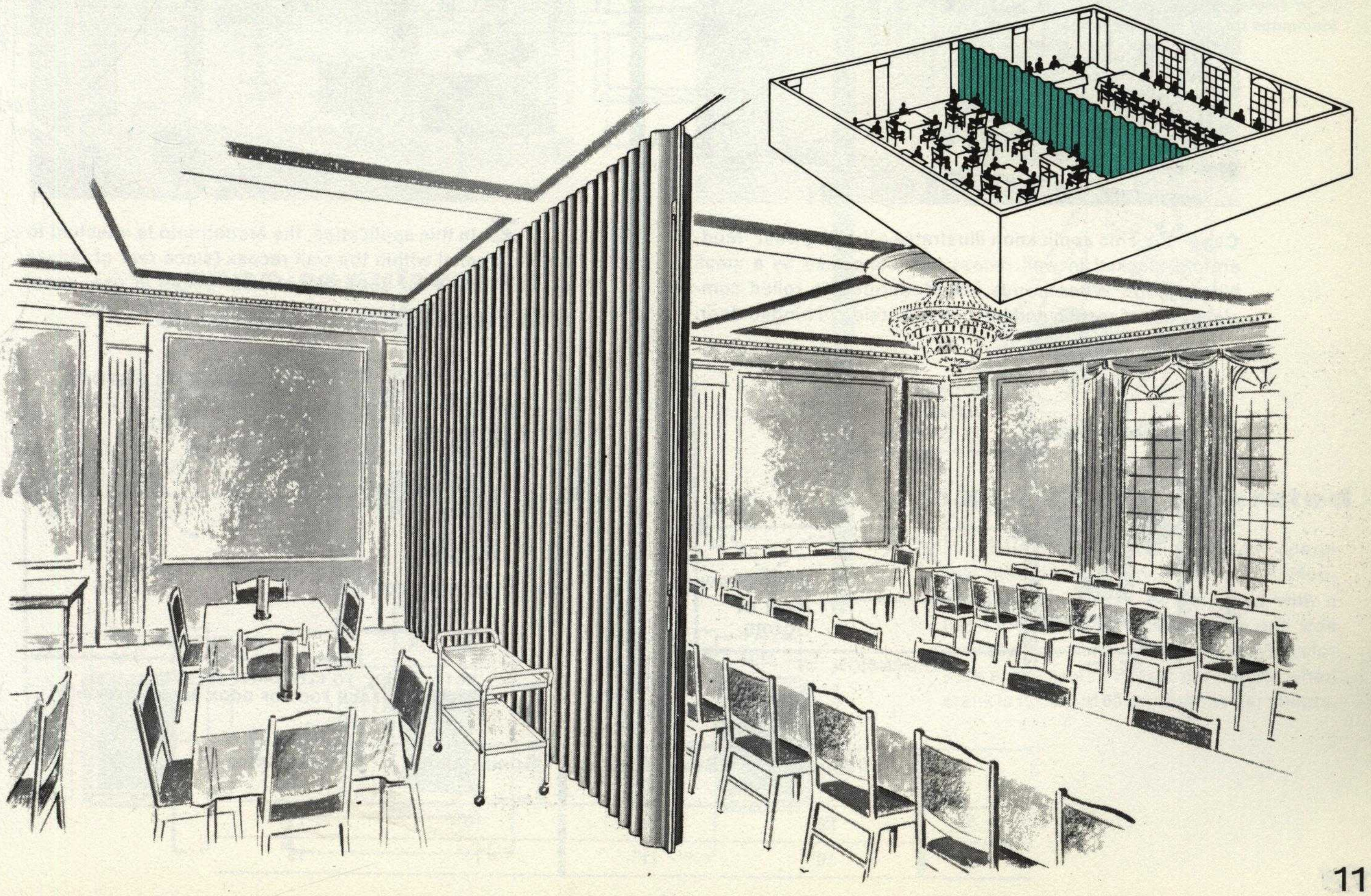
Tough, vinyl-coated chip board liner, on both sides of partition, insulates against sound.



Sweep strips, top and bottom, close all crevices around the partition.

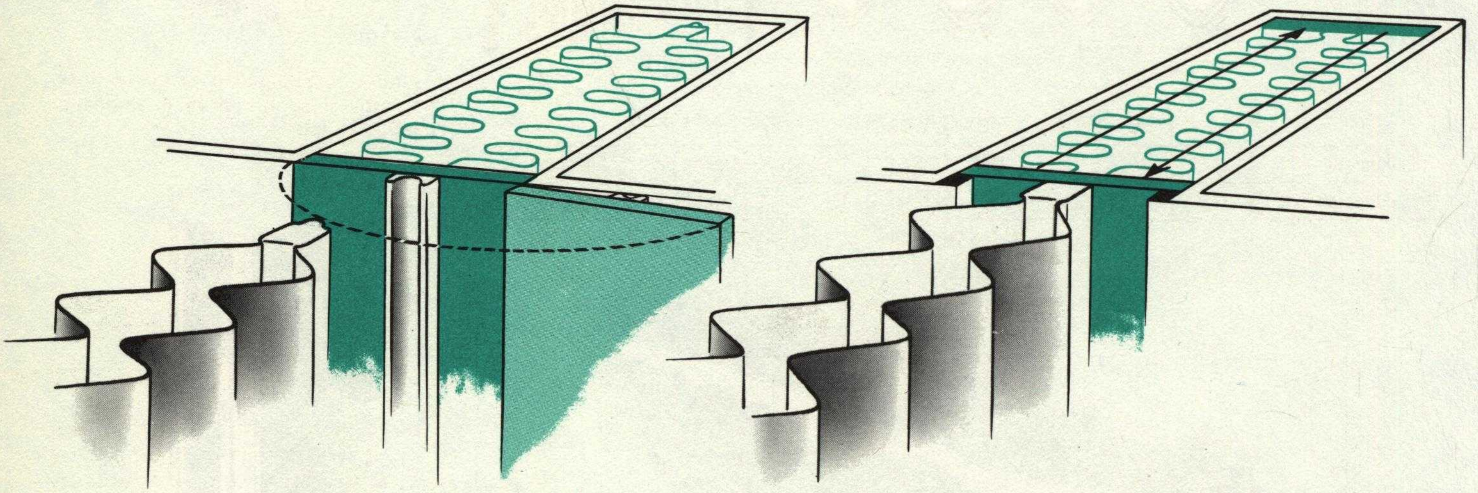


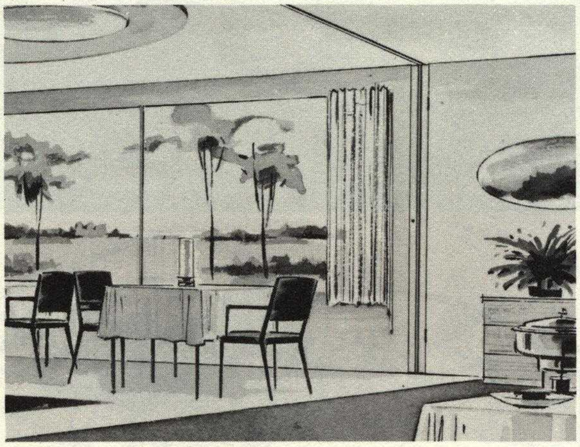
Extruded aluminum channels seal off crevices at lead post with a lining of plastic foam.



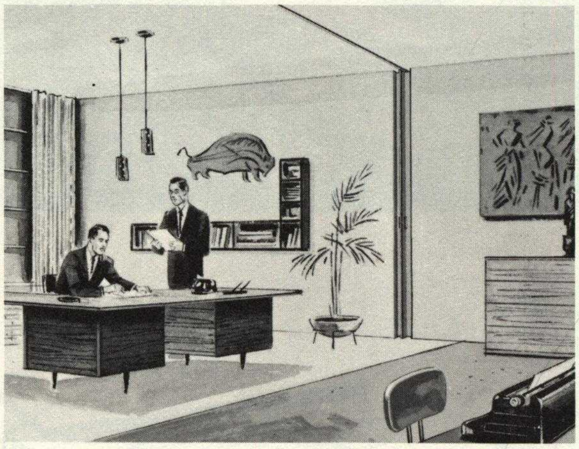
pocket or door recess installations

In many installations, it is desirable to store Modernfold doors in a pocket or recess when not in use. Two basic systems to do this are illustrated and described below—both of which can be modified to suit individual circumstances.

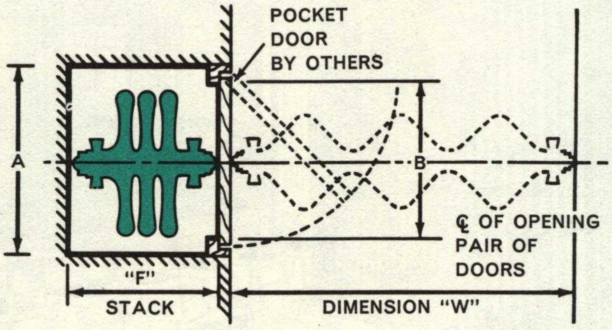


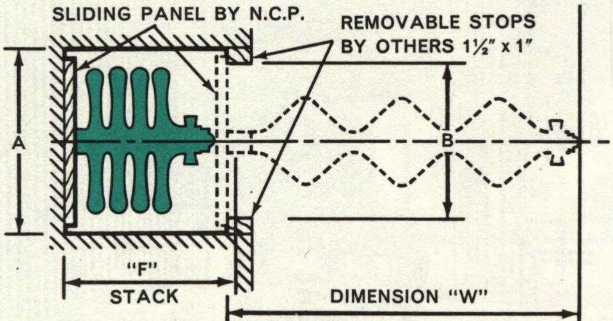


Case Y: This application illustrates a "rolling post" Modernfold stacked in wall recess and concealed by a small hinged door. When in use, the Modernfold is rolled completely out of recess and latched to outside of hinged door.



Case Z: In this application, the Modernfold is attached to a sliding panel within the wall recess (since rear of recess is inaccessible for door attachment). When in use, panel slides out with door and comes to rest against stops.





NOTE: ADD ¼" TO CLEARANCE BETWEEN STOPS FOR EACH FOOT OF DOOR HEIGHT OVER 11 -0"

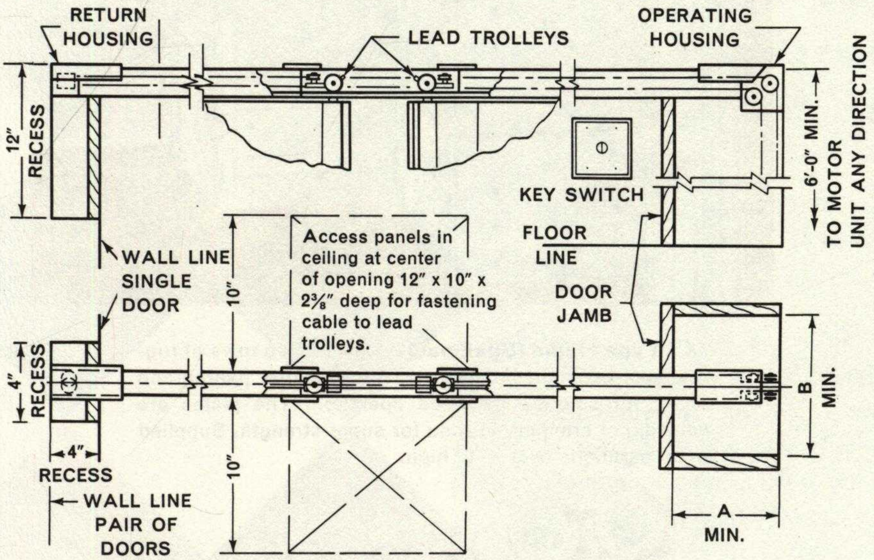
	Custom	Soundmaster "80"	Spanmaster	Soundmaster "120"
A	12″	13″	16″	17″
B	10″	11″	14″	15″

mechanically operated doors

Large Modernfold installations which cannot conveniently be operated manually are equipped with hand cranks or electric motors according to specifications described here.

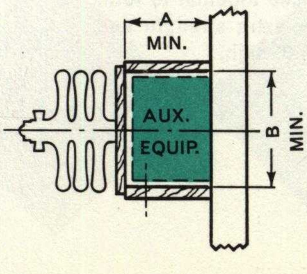
general specifications

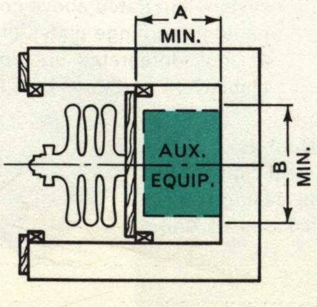
Mechanically operated Modernfold doors, either electrical or hand crank, shall be supported by flanged ball-bearing trolleys operating in ⅛″ thick channel track, 2″ wide x 2¼″ high. Principle of operation shall provide smooth positive operation through the concealed use of $\frac{3}{32}$″ galvanized airplane cables operating over suitable sheaves and all auxiliary equipment shall be complete including adjustable tension slip clutch, speed reducer, and operating mechanism. Mechanical operation shall provide for simultaneous closure of both doors of a pair. Space provisions for auxiliary equipment shall be as indicated on chart below.

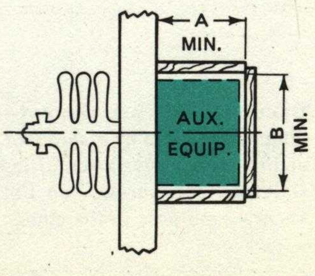


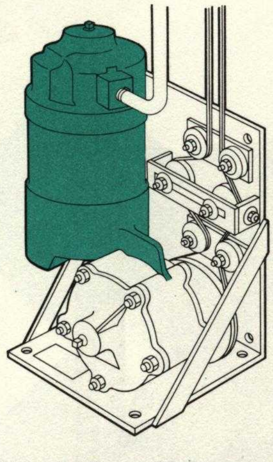
space requirements – auxiliary equipment

	electric				hand crank
	¼ hp	⅓ hp	½ hp	¾ hp	
A	9½″	13″	13″	13″	9″
B	12″	19½″	19½″	19½″	12″







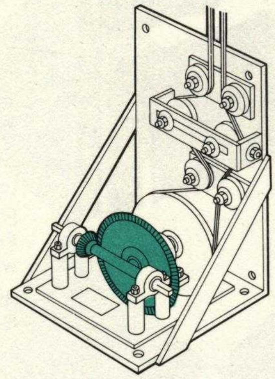


electrically operated

Electrically operated Modernfold doors shall provide closure at the approximate rate of 30 feet per minute and shall be complete, except wiring, with electrically reversible motor and momentary, key-operated contact switch.

Door Weight	Motor
up to 1500 lbs.	¼ hp
1501 to 2000 lbs.	⅓ hp
2001 to 3200 lbs.	½ hp
3201 to 4800 lbs.	¾ hp

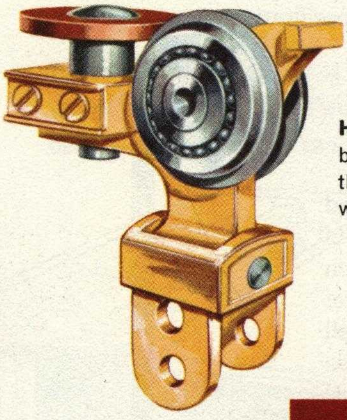
Note: **See chart on page 4 giving weights of all Modernfold doors. Consult factory for equipment to handle doors over 4800 lbs.**



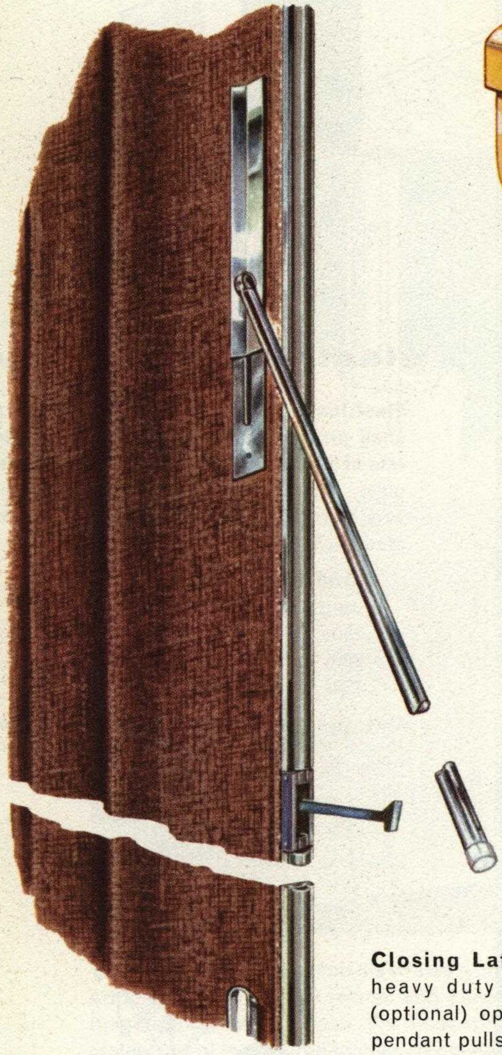
hand crank operated

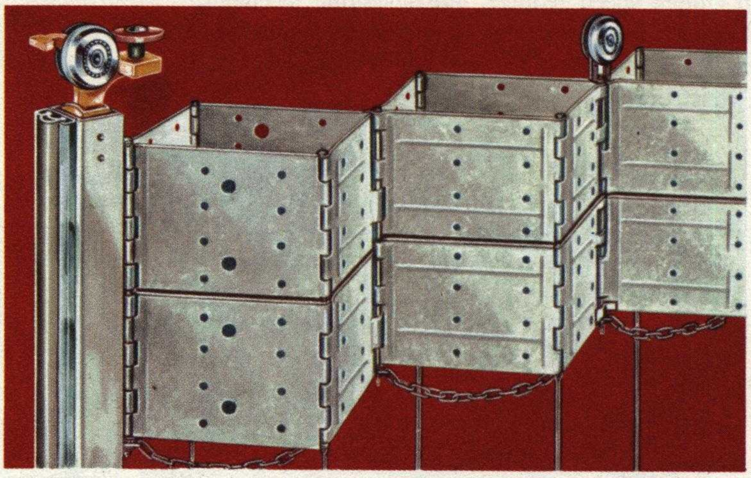
For installations in which remote operation other than electrical is desired, Modernfold Doors shall be equipped with a hand crank, easily accessible on one side only at either jamb, which will provide closure at the rate of 25 feet per minute when crank is turned at 60 revolutions per minute.

construction features



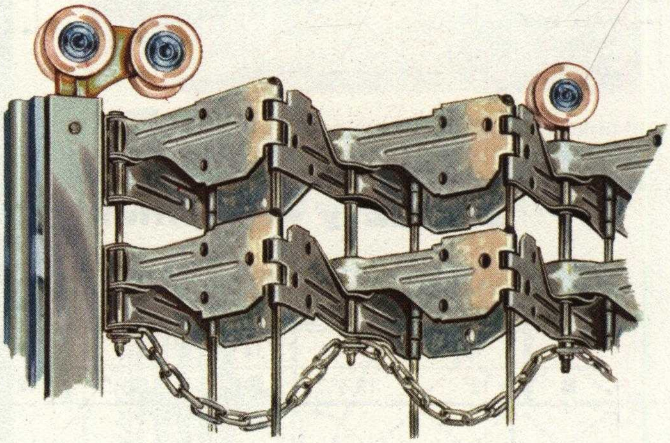
Heavy Duty Trolleys—All-steel, ball bearing trolleys are engineered to guide the largest partitions through the track with ease.



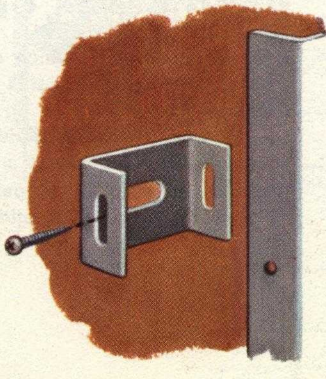


"X" Type Frame (Spanmaster Line)—Two rows of rugged, rust-resistant hinge plates provide true pantograph action for smooth, balanced operation. The plates are welded, not crimped, to rods for super strength. Supplied on all partitions over 15′0″ high.

Closing Latch—Exclusive heavy duty closing latch (optional) operates through pendant pulls—assures snug seal between partition and wall moulding. Closing latch operates independently of key-operated security lock.

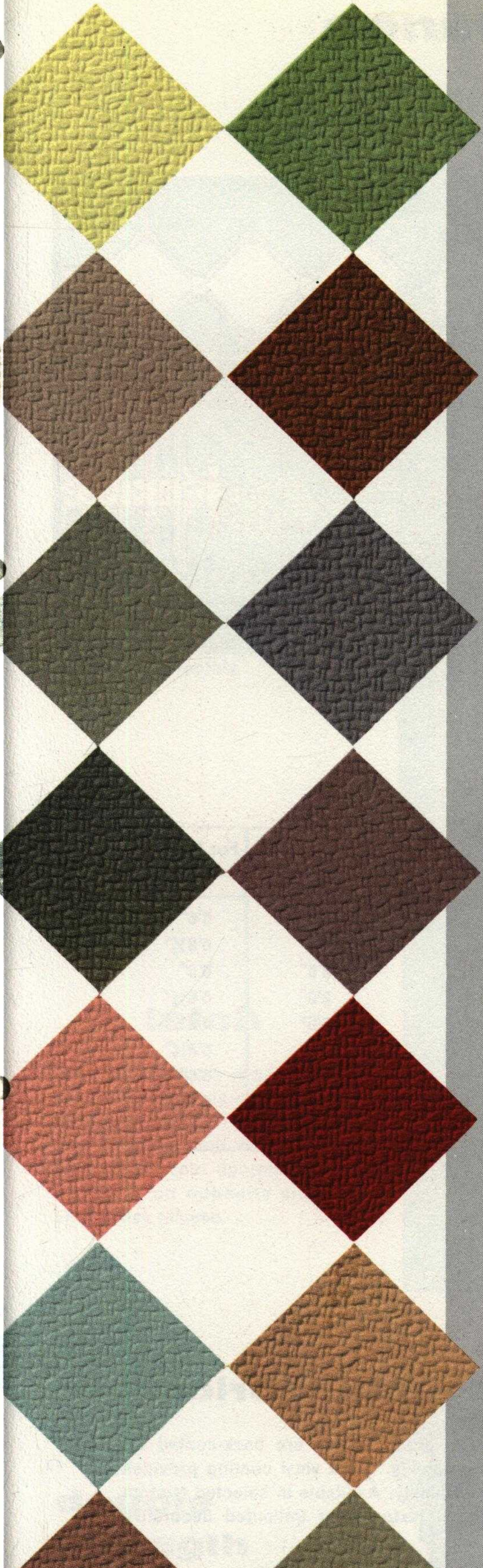


Truss-Link Suspension (Custom Line)—The system illustrated above consists of two rows of pantograph hinge plates linked together to form a single integrated unit for extra strength and stability on partitions over 8′0″ high.



Secure Jamb Attachment—Door is securely attached to jamb by a series of steel clips placed at frequent intervals along jamb casing. Small, Phillips-head screws, on both sides of door, secure jamb post to the clips.

fabrics



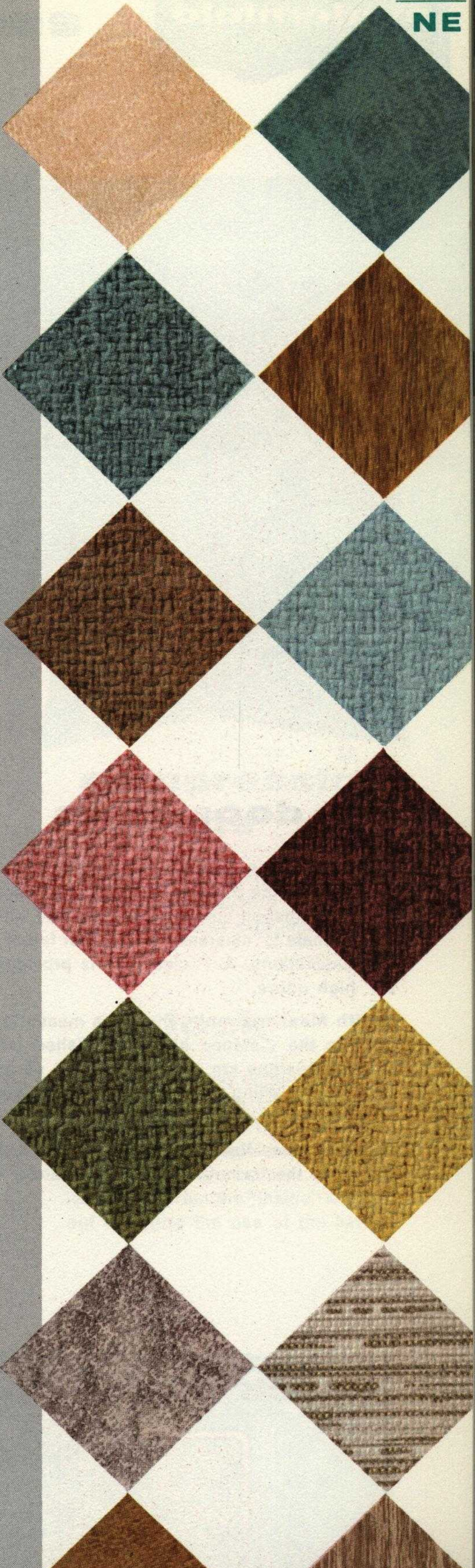
exclusive *decorator* colors, textures patterns

Modernfold partitions are available in a rainbow range of colors, and in textures and patterns to please even the most discriminating taste.

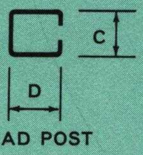
The small swatches illustrated here represent only a cross section of the fabrics available. From the Decorator Colors at left to the Duotone Prints at right, the total assortment consists of more than 50 different selections.

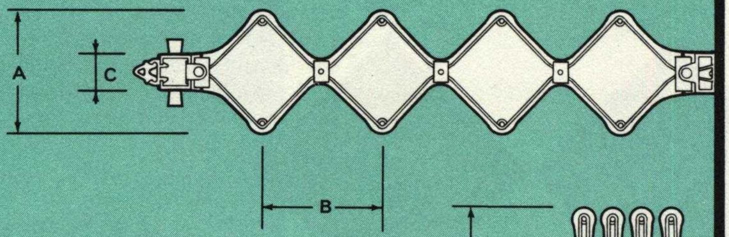
In addition, the Super DeLuxe line of fabrics includes hand printed, silk-screen patterns in virtually any color or combination of colors for truly unique decorator effects.

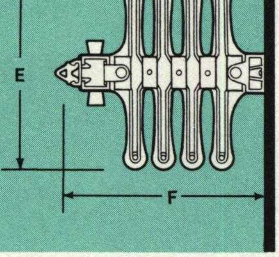
Modernfold is the only folding partition manufacturer using the exclusive "Nuca Seal" process for quality preservation. Full details of this process appear on Page 18.



residential line







door dimensions

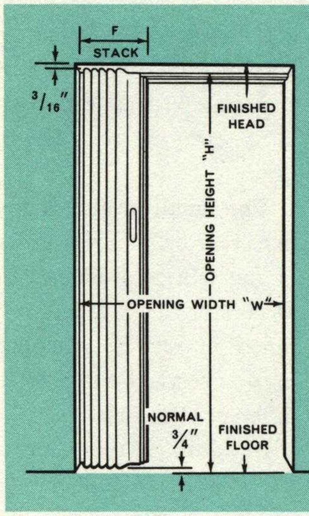
	A	B	C	D	E	F
Crown-master	3¾″	5¹³⁄₁₆″	¹³⁄₁₆″	¹³⁄₁₆″	7″	1¼″ per foot of opening plus 1¾″ (average)
Spacemaster	3¾″	5¹³⁄₁₆″	¹³⁄₁₆″	¹³⁄₁₆″	7″	1¼″ per foot of opening plus 1¾″ (average)

door sizes

Height Measurement—The height measurement "H" is the distance from finished opening at top to finished floor. Doors are made with an approximate ¾″ clearance to allow for future carpet installations. A 1″ clearance is provided on 8′0″ high doors.

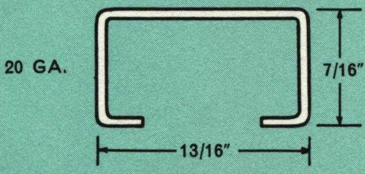
Width Measurement—The width measurement "W" is the distance between finished jambs. Door extensions are in 6″ increments, so openings ("W") falling between door widths shown in chart require next larger size door.

Stack Space—Normal stack space "F" is determined by the formula shown above under "F."



For Opening Width	For Opening Height
2′0″	6′6″
2′0″	6′8½″
2′6″	6′6″
2′6″	6′8½″
3′0″	6′6″
3′0″	6′8½″
4′0″	6′6″
4′0″	6′8½″
4′0″	8′0″

track dimensions

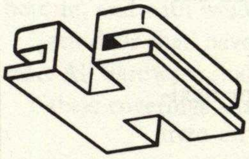


Steel track is finished with baked enamel. Track is completely covered when door is closed, virtually invisible when door is open.

durable fabrics

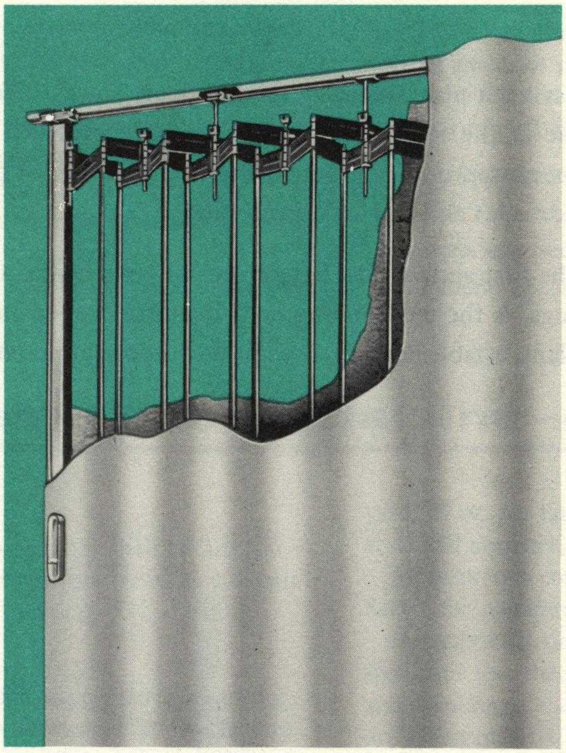
Commercial grade fabrics are back-coated for maximum stability. Thick vinyl coating provides extreme durability. Available in selected custom patterns and textures for unlimited decorative effects.

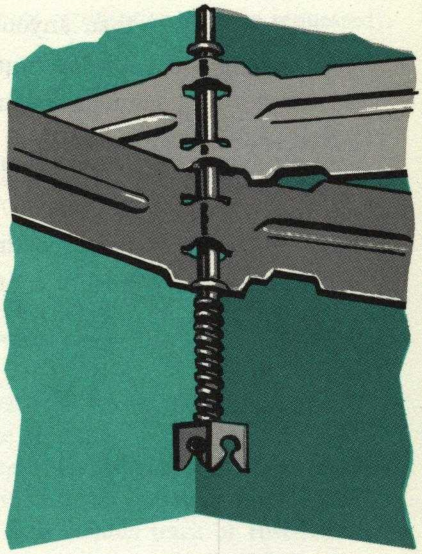
construction features



nylon slide operation

Pre-lubricated, sturdy nylon slides carry the full weight of the door silently and smoothly.



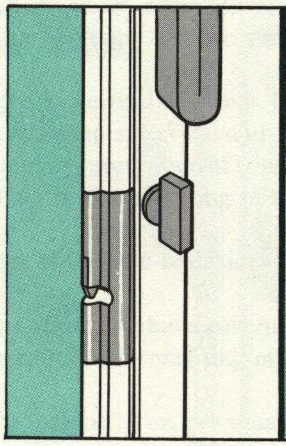


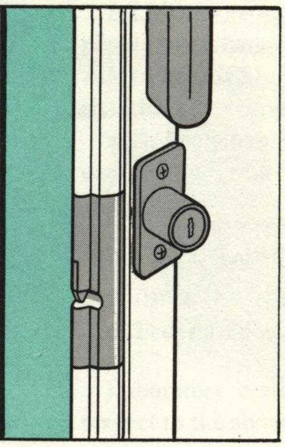
compression springs

Compression springs at bottom hinge plates equalize fabric tension—keep folds neat and even.

latch

Door automatically engages latch in closing—latch is released with normal pressure in opening operation. Turning knob secures door for privacy—coin operated safety button is on opposite side for emergency release.



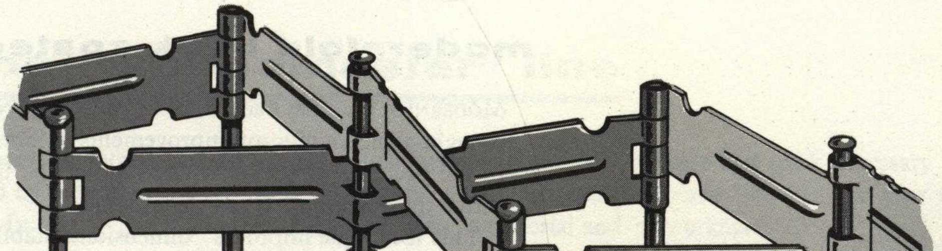


lock

Door automatically engages latch in closing—releases with normal opening pressure. Door is securely locked by key—thumb knob on opposite side secures or releases lock from the "inside" without requiring the use of the key.

double strength steel frame

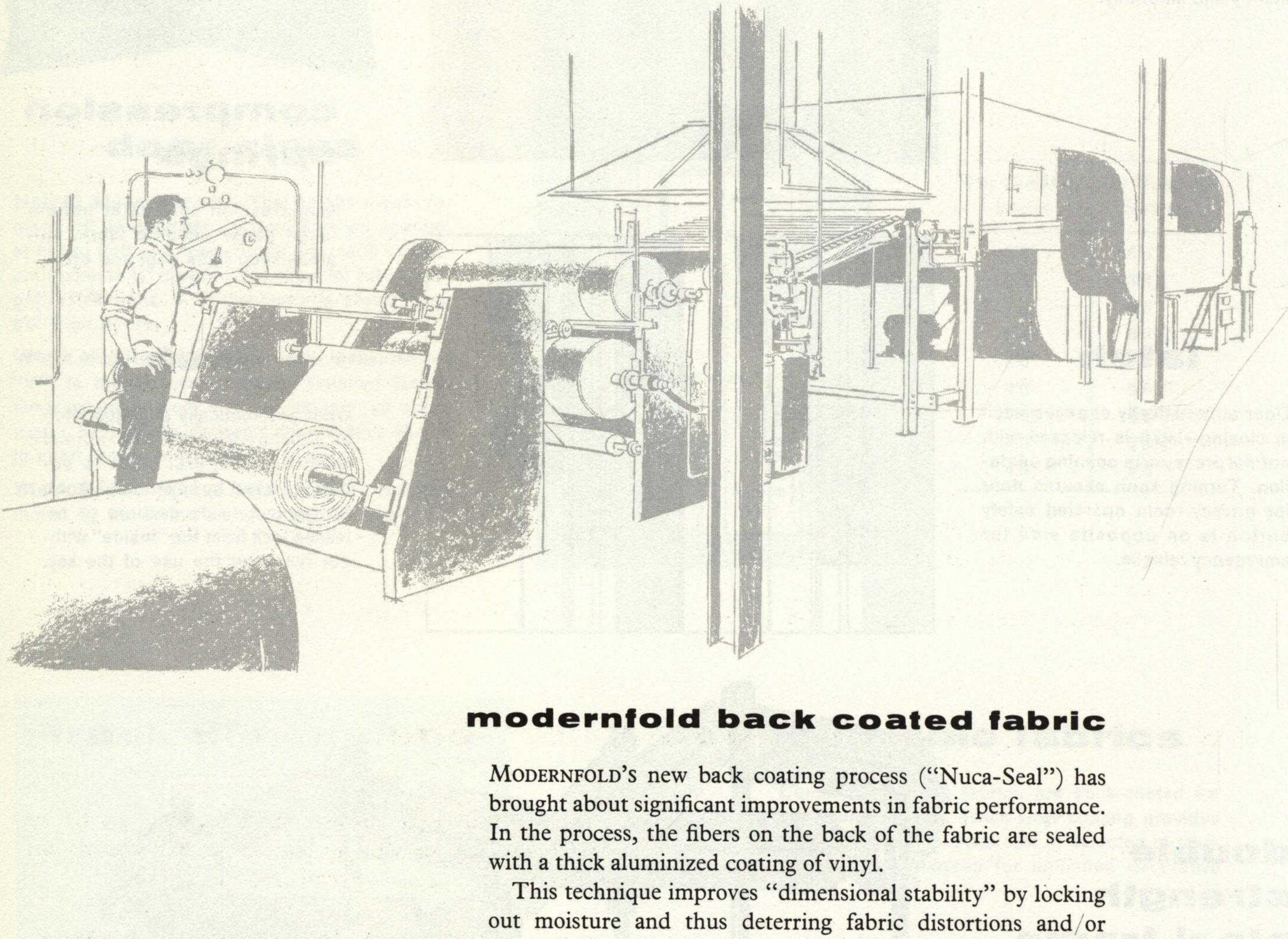
Two rows of steel rods are welded to exclusive "X" type hinges at both top and bottom.



specifications

Modernfold has been manufacturing folding doors since 1936 . . . far longer than anyone else in the industry. Those years have provided the experience needed to produce a top quality product, and the time needed to build an adequate nation-wide sales and service organization.

Modernfold, the first and world's largest user of vinyl coated fabrics for flexible door coverings, is the only folding door manufacturer maintaining its own fabric coating plant, established for the express purpose of maintaining absolute quality control.



modernfold back coated fabric

Modernfold's new back coating process ("Nuca-Seal") has brought about significant improvements in fabric performance. In the process, the fibers on the back of the fabric are sealed with a thick aluminized coating of vinyl.

This technique improves "dimensional stability" by locking out moisture and thus deterring fabric distortions and/or shrinkage due to temperature or humidity fluctuations.

Greater opacity is also provided by this treatment, and this characteristic eliminates frame shadows caused when a strong light is placed behind doors covered in pastel colored fabrics.

specifications - commercial line - short form

Modernfold doors shall be as manufactured by New Castle Products, Inc., installed by authorized factory representative, and guaranteed for one year.

Modernfold doors shall be top supported, completely factory fabricated, with true pantograph action at top and bottom, and with welded steel frame.

Each door shall have an equal number of volutes on each side. All hardware shall be interchangeable.

Fabric coverings shall be 18 oz. per sq. yard (27 oz. per lineal yard) minimum weight, vinyl coated cotton drill, and coating shall not peel, craze or crack. Fabric shall be back coated by "Nuca-Seal" process, and shall meet these fire codes or tests (Laboratory certification may be requested):

a. New York Board of Standards and Appeals
b. Fire Department, City of Boston
c. American Society for Testing Specification D626-55T
d. Federal Specification CC-T-191b, Method 5902

specifications - commercial line - detailed

GENERAL

Modernfold doors as shown on plans shall be furnished and installed by an authorized representative of New Castle Products, Inc., of New Castle, Indiana.

DETAILED

Modernfold doors shall be top supported without floor guide and shall be completely fabricated at the factory, including all necessary hardware and track for installation.

Modernfold doors shall have a rust resistant frame on interlacing collapsible and extensible hinge plates, to provide true pantograph action at top, bottom, and necessary intermediate locations.

Hinge plates shall be connected to vertical 3/16″ rods by welding to provide positive resistance to sidesway, and to insure balanced action, vertical stability, prevention of winding or warping; and shall maintain uniform spacing of all folds during operation.

There shall be an equal number of folds on both sides of all doors.

The frame shall be completely enclosed within a covering of durable, sun-fast, flame retardant fabric consisting of a vinyl coating on 1.85 drill.

The minimum standard weight shall be 18 oz. per square yard (27 oz. per lineal yard 54″ wide), plus 10% minus 5%, and shall not peel, craze or crack.

Modernfold coverings shall be back-coated with "Nuca-Seal," for maximum dimensional stability, drape and life.

Modernfold doors shall include track or rust-resistant steel, not less than 16 gauge, be equipped with hardware and mouldings, and shall be guaranteed for one year against defects in material and/or workmanship. Distributors shall furnish steel sub-channel for all tracks that are recessed in plaster headers.

All Modernfold doors shall be fabricated to receive completely interchangeable lock or latch units, which are adaptable to standard building master keying systems, all of which shall be an integral part of the door pull design.

All Modernfold covering materials, separately and in combination, must pass the following fire codes:

a. New York Board of Standards and Appeals
b. Fire Department, City of Boston
c. American Society for Testing Specification D626-55T
d. Federal Specification CCC-T-191b, Method 5902

Laboratory certification on all proposed materials with respect to the above tests shall be made available on request.

specifications - "soundmaster" line

GENERAL—Soundmaster doors as shown on the plans shall be furnished and installed by the authorized representative of New Castle Products, Inc.

DETAILED—Soundmaster doors shall be top supported without floor guide and shall be completely fabricated at the factory, including all hardware and track necessary for installation. They shall be guaranteed for one year against defects in material and/or workmanship.

STEEL FRAMEWORK: The rust-resistant steel framework shall consist of various combinations of hinge plates

specifications – "soundmaster" line (continued)

interlaced to form "X" hinge pairs. These hinge pairs shall be in rows at the top and bottom of all doors, and intermediately every 3′6″ on doors over 5′0″. Vertical ³⁄₁₆″ steel rods shall extend from the top row of hinge plates through the intermediate plates to the bottom row, and shall be welded to each to form a complete, integrated pantographic frame that will resist winding and sidesway, operate with a smooth centerline pull, and will have uniform spacing of folds during operation, with an equal number of folds on each side. All mechanism for producing stability and pantograph action shall be contained within the steel frame. Stability shall depend upon the steel frame, not the stiffening of the cover.

1. "Soundmaster 80": Individually, each hinge plate shall be no less than 1⅞″ in width, shall be of channel construction, and shall be ribbed for maximum strength. SOUNDMASTER doors 8′0″ and less in height shall have one row of pantographic hinge plates at the top. Doors over 8′0″ high shall have truss-link suspension consisting of two rows of pantographic hinge plates at the top linked together in such a manner as to form a single integrated unit to give increased strength and stability. These two rows of plates shall be separated by 1⁵⁄₃₂″ lengths of tubing at each intermediate trolley to distribute the door load equally between these two rows of plates. The combined vertical height of the two rows of plates shall be no less than 4¾″.

2. "Soundmaster 120": Doors 15′0″ high and less shall have one row of no less than 4⅛″ wide hinge plates at the top with a load-bearing reinforcement added to the plates at the point through which the supporting pins pass. Doors over 15′0″ high shall have two rows of pantographic hinges no less than 4⅛″ wide individually and 8¼″ wide in combination at the top and shall be reinforced at their lower edge by a reinforcing member through which a supporting pin of no less than ¼″ diameter must pass.

COVERING

1. Outer Covering—The outer covering fabric shall be attached to the hinge pairs with coated steel leaf fasteners through hidden webbing stitched near the top and bottom of the outer cover. Fabric shall be 1.85 drill coated on both sides to a minimum standard weight of 18 ounces per square yard (27 ounces per lineal yard 54″ wide), plus 10% minus 5%. The exposed surface of the outer covering shall be vinyl of the color and pattern selected and shall be protected by an abrasive-resistant top coat of clear vinyl. The outer covering shall be backcoated with an aluminized vinyl material known as "Nuca-Seal" in order to control the fabric stretch and shrinkage and to prevent passage of light when necessary. Fabric shall be sunfast and flame retardant and shall not peel, craze or crack.

SOUNDMASTER outer covering materials must pass the following fire codes:

a. New York Board of Standards and Appeals, Rules for Flameproof Material.

b. Fire Department, City of Boston, Fire Prevention Division, Document No. 5.

c. American Society for Testing Materials Specification D 626-55T

d. Federal Specification CCC-T-191B, Method 5902.

2. Inner Covering—The inner covering shall be attached independently to the hinge pairs with coated steel leaf fasteners near the top and bottom of the inner covering. The inner covering shall consist of chipboard panels no less than .175″ thick bonded by heat to a vinyl coated flexible material of long life and durability. The inner covering shall be so constructed as to meet the following New York and Boston fire requirements:

a. New York City Board of Standards and Appeals, Rules for Flameproof Material.

b. Fire Department, City of Boston

Terms and conditions promulgated by the head of the fire department covering the use of Decorative Materials in Public Buildings, Places of Assembly and in Stores. Fire Prevention Division—Document No. 5.

Note: Laboratory Certification on all proposed materials with respect to the above tests shall be made available on request.

TRACK AND TROLLEYS: All track for Soundmaster doors shall be rust-resistant and of the minimum gauges indicated below. Appropriate ball-bearing trolleys for track sizes specified shall conform as indicated below. No auxiliary track shields or coverings shall be used.

Track Size	Trolley Composition	Min. Track Gauge	Max. Recess Width Concealed track	Max. Door Height	Max. Door Width
No. 8	Nylon, ball bearing	16 ga.	1⁵⁄₁₆″	12′0″	26′3″
No. 12	Nylon, ball bearing	14 ga.	1⁹⁄₁₆″	15′0″	60′0″
No. 7	Steel, ball bearing	11 ga.	2⅜″	22′0″	60′0″

SUB CHANNEL: When recessed track is specified, sub channel shall be furnished by the distributor but installed by others.

HARDWARE: All Soundmaster doors shall be fabricated to receive completely interchangeable lock or latch units which are adaptable to standard building master keying systems, all of which shall be an integral part of the door pull design. (*Please specify latch, lock, or master keyed lock.*) All Soundmaster doors, both No. 80 and No. 120, above 8′0″ high, shall be equipped with a "pull-in" latch operated by the pendant pulls supplied with the door. This device shall engage either the wall jamb or the mould of a matching door at a distance of no less than 3½″ and shall exert a force in such a manner as to assure a tight seal. This "pull-in" latch shall be easily released by an upward push on the pendant pulls.

SEALING: All Soundmaster doors shall be equipped with a sound seal consisting of two aluminum channels, one male and one female, into which has been inserted a seal of polyurethane foam. When a single door meets the jamb, or a pair of doors engage, the male channel shall press into the polyurethane foam forming a tight, soundproof seal. All Soundmaster doors shall be equipped with an air release at the lead post which will prevent entrapment of air as the doors are stacked by release of this air through suitable lead post openings. Such openings shall be completely sealed when the two aluminum extrusions meet. Soundmaster doors shall be supplied with sweep strips to completely close all crevices at the top and bottom of the door and shall be applied to both sides of the door.

specifications - residential line

"crown-master"

GENERAL—MODERNFOLD'S Crown-master Line of folding doors as shown on plans shall be furnished by an authorized representative of New Castle Products, Inc., New Castle, Indiana.

DETAILED—These doors shall be top supported without floor guide and shall be completely fabricated at the factory, including track and all necessary hardware for installation. Crown-master doors shall consist of a rust-resistant frame of interlacing extendable hinge plates, connected by welding to provide smooth positive operation, to cause all volutes to extend and collapse equally and simultaneously.

The frame shall be completely enclosed within a covering of durable, sun-fast, flame retardant fabric consisting of a vinyl coating on 1.85 drill.

The minimum standard weight shall be 18 oz. per square yard (27 oz. per lineal yard 54″ wide), plus 10% minus 5%, and shall not peel, craze or crack.

MODERNFOLD coverings shall be back-coated with "Nuca-Seal," for maximum dimensional stability, drape and life.

The fabric shall be attached to clips, which are spring loaded, to assure even tension at all points of attachment.

All track shall be rust-resistant and shall have a baked enamel finish, and shall provide a good surface for painting if desired.

Crown-master doors shall be equipped with satin brass hardware and shall be fully guaranteed for one year against defects in material and/or workmanship.

"spacemaster"

GENERAL—MODERNFOLD'S Spacemaster Line of folding doors as shown on plans shall be furnished by an authorized representative of New Castle Products, Inc., New Castle, Indiana.

DETAILED—Spacemaster doors shall be top supported without floor guide and shall be completely fabricated at the factory including track and all necessary hardware for installation. Spacemaster doors shall consist of a rust-resistant frame of interlacing extendable hinge plates connected by welding to provide smooth positive operation, to cause all volutes to extend and collapse equally and simultaneously.

The frames shall be covered with a durable, sun-fast, especially compounded vinyl resin coating on first quality, exceptionally strong cotton fabric. The coating shall be such that it will not peel or craze, is easily cleaned and shall add dimensional stability to the door cover.

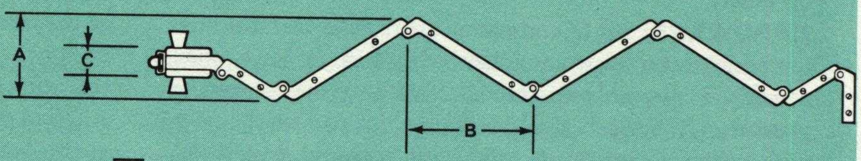
The fabric shall be attached to clips, which are spring loaded, to assure even tension at all points of attachment.

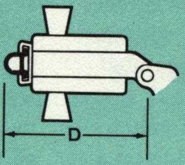
All track shall be rust-resistant and shall have a baked enameled finish, and shall provide a good surface for painting if desired.

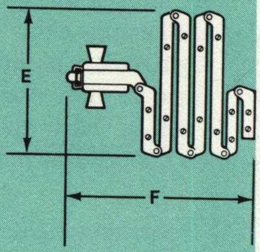
Spacemaster doors shall be equipped with hardware and shall be fully guaranteed for one year against defects in material and/or workmanship.

wood line

door dimensions

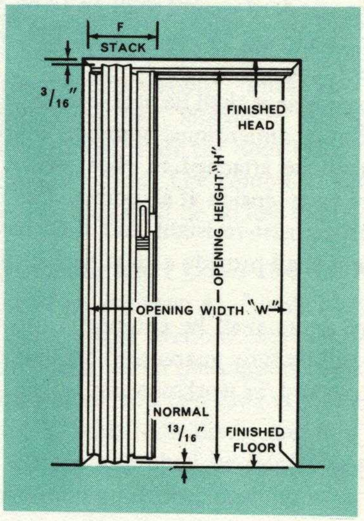






	A	B	C	D	E	F
Woodmaster	2¾″	5 13/16″	1 5/16″	3⅝″	6 7/16″	1 5/16″ per foot of width plus 5″ (average)
Neowood—Stock	1½″	5 13/16″	⅜″	2 5/16″	6″	¾″ per foot of width plus 2¼″ (average)
Neowood—Custom	1½″	5 13/16″	½″	3 3/16″	6″	¾″ per foot of width plus 3″ (average)

door measurements and weights



Height Measurement—The height measurement "H" is the distance from finished opening at top to finished floor. Doors are made with an approximate 13/16″ clearance to allow for future carpet installations.

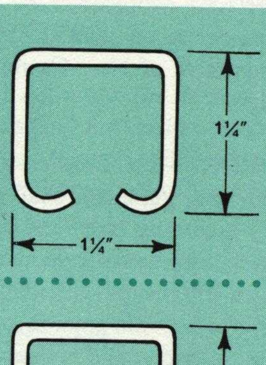
Width Measurement—The width measurement "W" is the distance between finished jambs. Door extensions are in 5″ to 6″ increments, so openings ("W") falling between door widths shown in chart require next larger size door.

Stack Space—Normal stack space is determined by the formula shown above under "F."

Note: Door weight is approximately 2½ lbs. per square foot of opening.

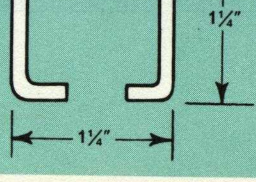
track dimension—woodmaster

Two tracks are available—both having identical dimensions as shown in the illustration. The "standard" track is used for all residential installations up to and including 8′0″ x 8′0″. A heavier gauge track is used for *all* commercial installations, regardless of size.

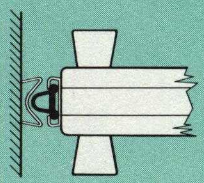


track dimension—neowood

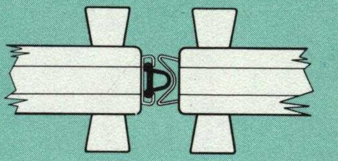
Track for Neowood doors shall be no less than 16 gauge (.060″) with baked-on enamel finish to harmonize with the other door components, and the track shall be suitable for further painting if required.



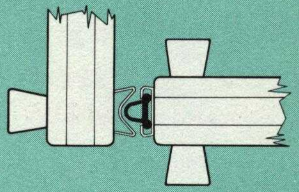
meeting post details



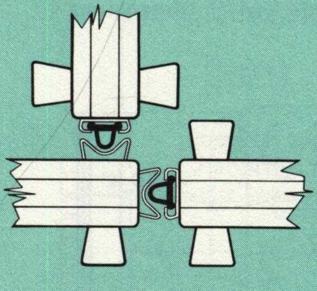
Single meeting post meeting wall or jamb



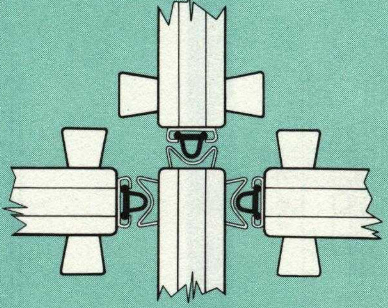
Lead posts on pair of doors

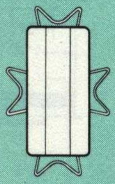


The "L" meeting post is often used when two doors meet at right angles to form a separate room in a corner.

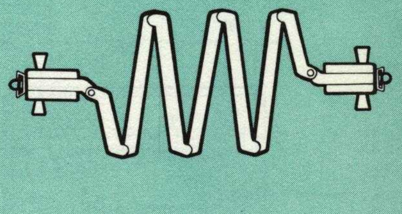


The "T" meeting post enables three doors to meet at one point and form two separate rooms.





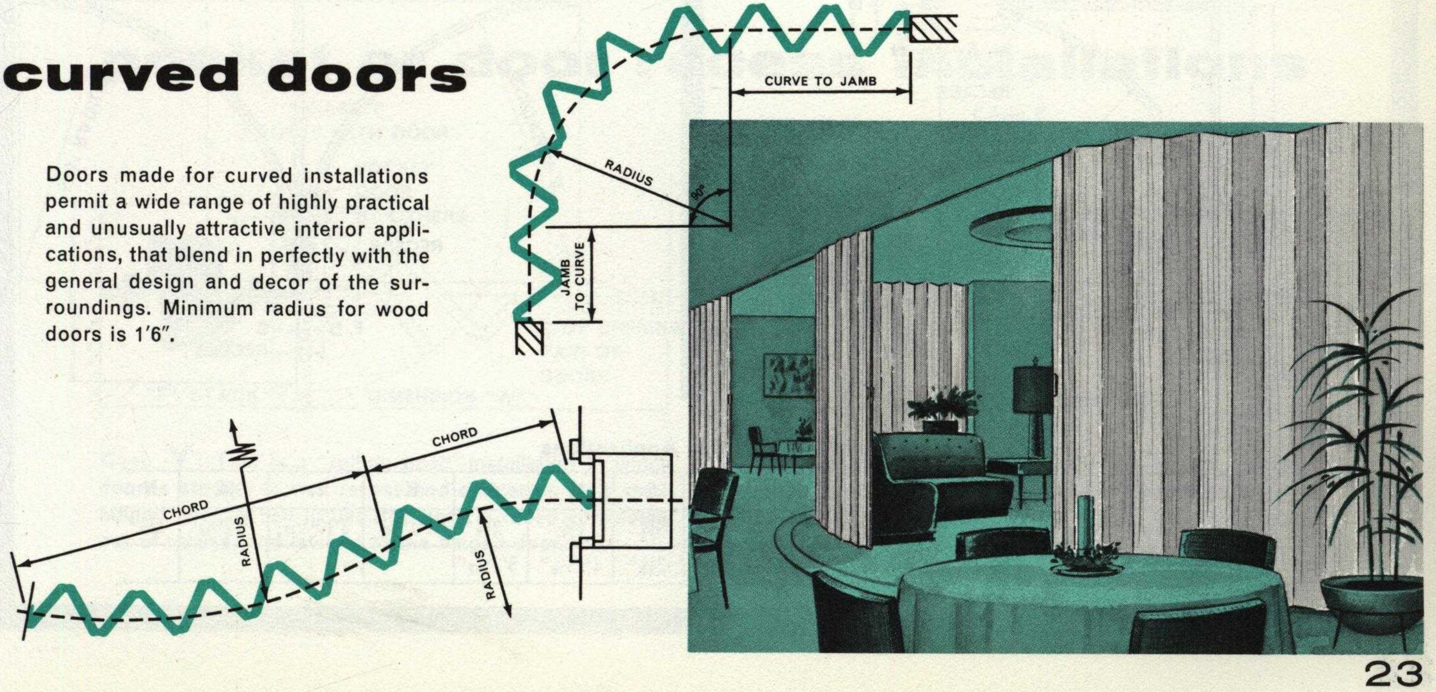
The "X" meeting post acts as the center meeting point for four doors which form four separate rooms. Also available with a free rolling "X" post.



Rolling post doors—doors not permanently attached to a jamb—fold in either direction. This application is ideally suited for closet openings, and is required for passing through switches, pocket installations, etc.

curved doors

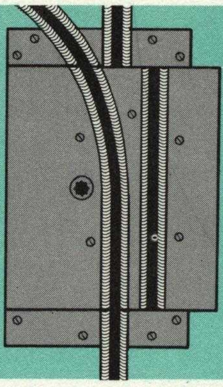
Doors made for curved installations permit a wide range of highly practical and unusually attractive interior applications, that blend in perfectly with the general design and decor of the surroundings. Minimum radius for wood doors is 1′6″.



track switches

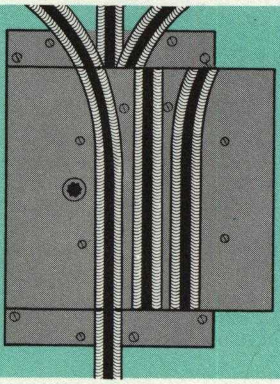
one-way glide switch

The one-way glide switch transfers doors from one track to another, thus enabling doors to serve multiple functions.

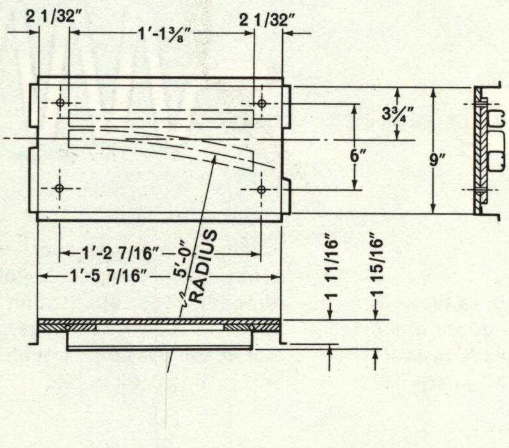


two-way glide switch

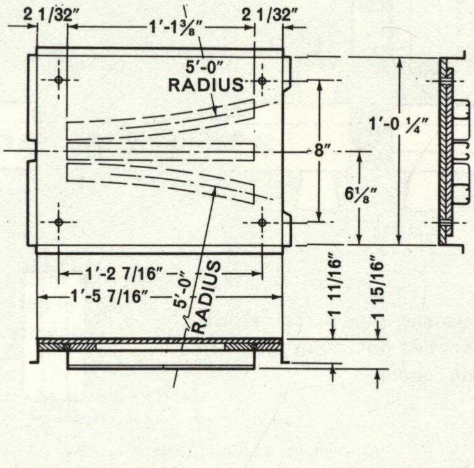
The two-way glide switch operates both to left and to right so that doors can be transferred from one track to two separate tracks.

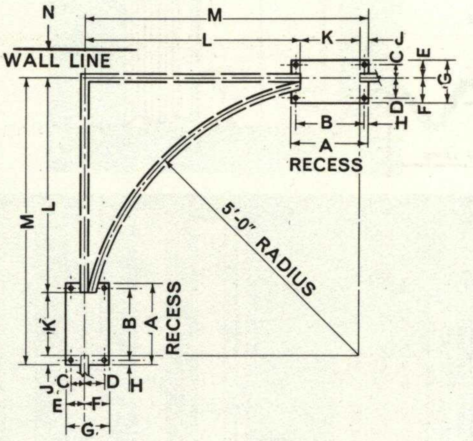


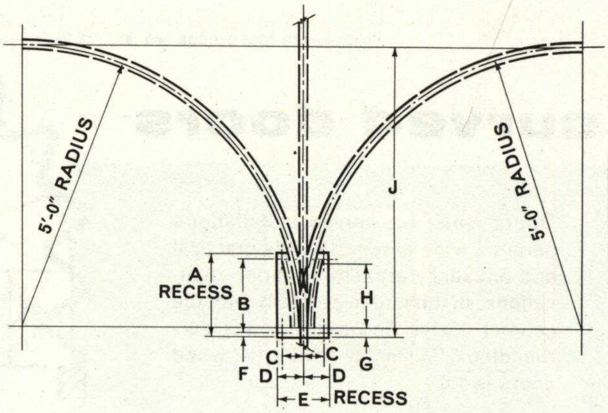
One-Way Glide Switch Dimensions



Two-Way Glide Switch Dimensions







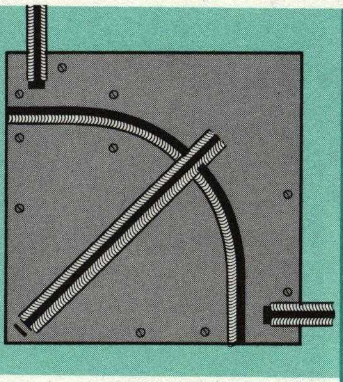
Typical Glide Switch Applications

Recess Size	A	B	C	D	E	F	G	H	J	K	L	M	N
No. 8 one way	1'5¹¹⁄₁₆"	1'2⁷⁄₁₆"	2½"	3½"	3⅞"	5⅜"	9¼"	1⅝"	2⅛"	1'1⁷⁄₁₆"	3'10¹⁹⁄₃₂"	5'2⁵⁄₃₂"	5½"
No. 8 two way	1'5¹¹⁄₁₆"	1'2⁷⁄₁₆"	4"	6¼"	1'0½"	1⅝"	2⅛"	1'1⁷⁄₁₆"	5'2⁵⁄₃₂"				

While Modernfold track switches are used in countless installations, they function basically in these three ways: First, they move stacked doors away from congested areas. Second, they enable a single folding door to act as a closure for two or more openings. And third, they make it possible to partition the space in a room in a variety of different ways to suit the immediate space requirements.

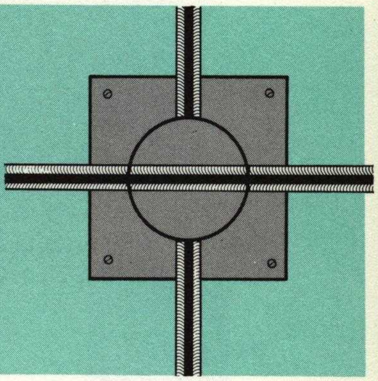
pivot switch

The pivot switch enables the door—when stacked—to pivot in a 90° arc so that door may be extended in more than one direction, or swing out of the way when not in use.

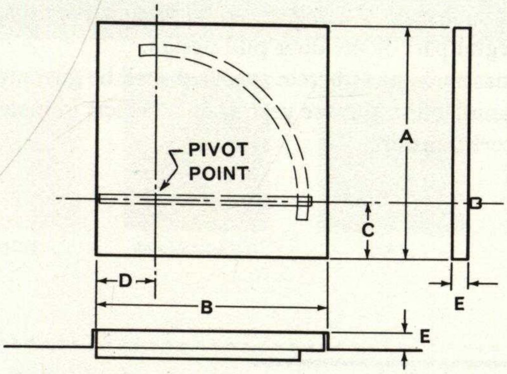


cross-track switch

The cross-track switch permits one door to pass through the track of another installed at a right angle. Available in No. 8 Heavy Duty, No. 7 and No. 12 track size.

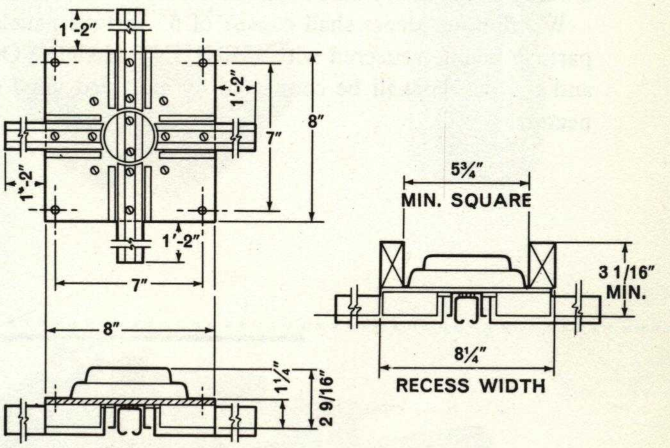


Pivot Switch Dimensions



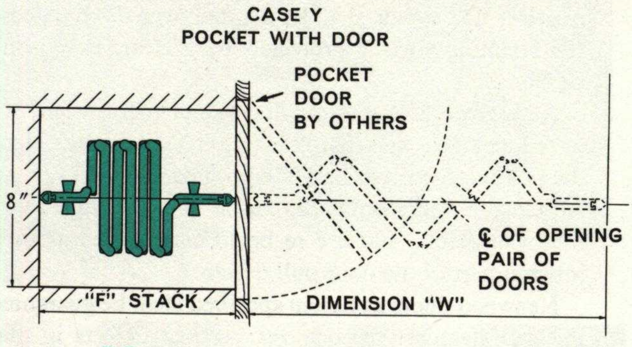
Pivot Switch	A	B	C	D	E
No. 8 —1′6″	1′8″	1′8″	5″	5″	1¼″
No. 8 —2′6″	2′6″	2′6″	7⁵⁄₁₆″	7⁵⁄₁₆″	2⅝″
No. 8 —3′6″	3′10⅜″	3′10⅜″	7⁵⁄₁₆″	7⁵⁄₁₆″	2⅝″

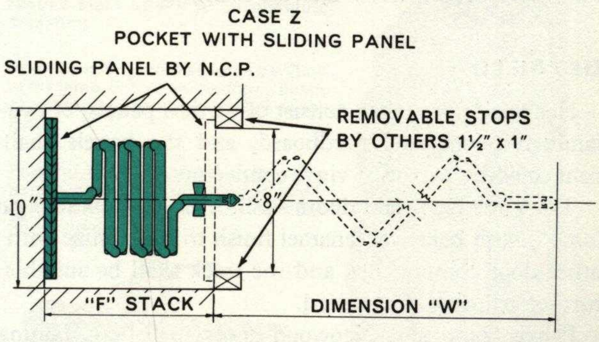
Cross-Track Switch Dimensions



Note: Switches for Neowood doors same as shown—except use flat lipped track.

pocket or door recess installations





Case Y: This is a "rolling post" installation in which door is stacked in wall recess and concealed by a small hinged door. When in use, the door is rolled completely out of recess, and latched to the hinged door.

Case Z: In this installation, door is attached to a sliding panel within the wall recess (as rear of recess is inaccessible for door attachment). When in use, panel slides out with door and comes to rest against stops.

specifications

"woodmaster"

GENERAL

Woodmaster doors, as shown on plans, shall be furnished and installed by an authorized representative of New Castle Products, Inc., of New Castle, Indiana.

DETAILED

Woodmaster doors shall be top supported, without floor guide, and shall be completely fabricated at the factory, including all necessary hardware and track for installation.

Woodmaster doors shall consist of 6″ vertical panels, of particle board, veneered with GENUINE HARDWOOD, and the panels shall be connected by extruded vinyl connectors.

Woodmaster panels shall be connected at the top by 12 gauge steel hinges for maximum strength. All steel hinges shall be properly prepared for the prevention of rust.

Woodmaster panels shall be finished with a CONVERSION finish, which is scratch, mar and mark resistant when subjected to standard scratch tests.

All Woodmaster hardware shall be finished in dull satin. Woodmaster doors when required shall be equipped with locks or latches. All locks or latches are to be so equipped as to be interchangeable, and are to be so constructed as to be an integral part of the door pull design.

Woodmaster doors as herein specified shall be guaranteed by the manufacturer for one year against defects in material and/or workmanship.

"neowood"

GENERAL

"Neowood" Doors, as shown on plans, shall be furnished and installed by an authorized representative of New Castle Products, Inc. of New Castle, Indiana.

DETAILED

Neowood doors shall consist of vertical panels, of two-ply laminated tempered hardboard, and the panels shall be connected by extruded vinyl connectors.

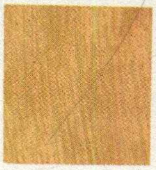
Track for Neowood doors shall be no less than 16 gauge (.060″) with baked-on enamel finish to harmonize with the other door components, and the track shall be suitable for further painting if required.

Panels composing Neowood doors shall be of laminated construction to prevent warping, consisting of two-plys of tempered hardboard laminated with thermosetting adhesive.

The finish on "Neowood" doors shall be factory applied in a three-step process. The ground, or base coat, shall be a high opacity lacquer. Actual photographic reproductions of select fine woods shall be printed over the base coat and the resulting surface protected by a clear, baked-on conversion film.

All hardware for Custom doors shall be furnished in beige baked enamel, and harmonizing plastic pulls. Neowood doors when required shall be equipped with locks or latches. All Custom locks or latches are to be so equipped as to be interchangeable, and are to be so constructed as to be an integral part of the door pull design.

Neowood doors as herein specified shall be guaranteed by the manufacturer for one year against defects in material and/or workmanship.

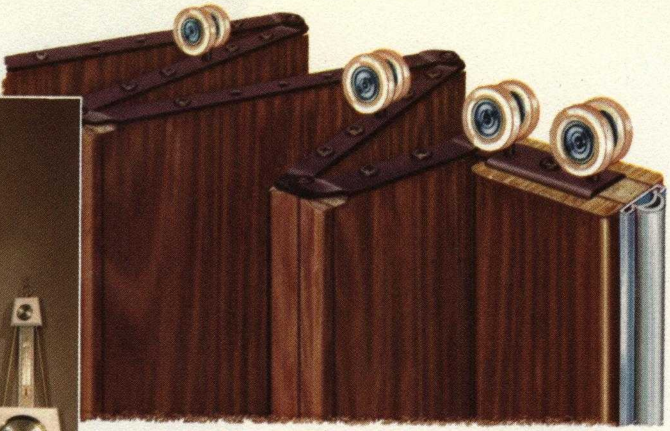


BIRCH

MAHOGANY

OAK

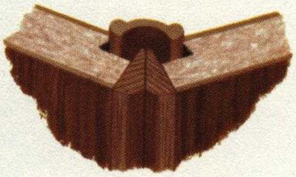
WALNUT

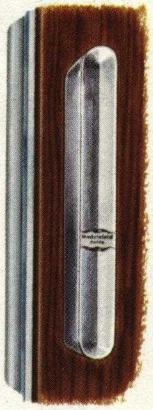


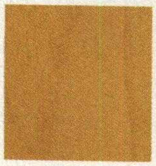
Steel top hinge carries full lateral weight—maintains even folds. Ball bearing trolleys with nylon tires provide smooth, quiet operation.

Heavy duty hardware comprises a complete lock and latch system that provides infinite combinations of privacy, security and safety.

Extruded vinyl connectors between panels assure efficient folding action—minimum stacking space.

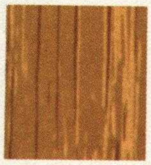






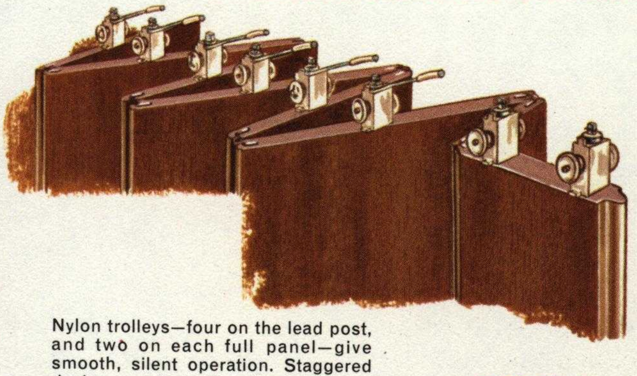
BIRCH

MAHOGANY



OAK

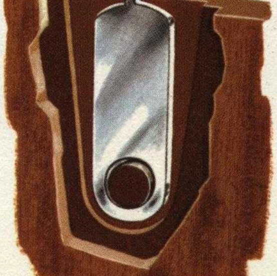
WALNUT

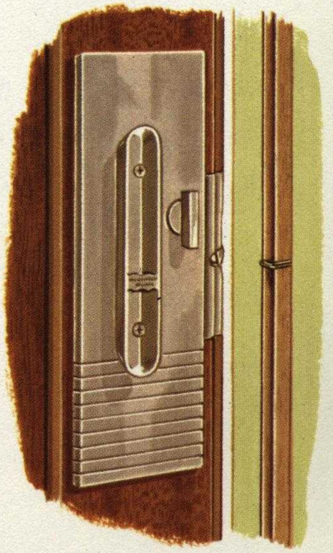


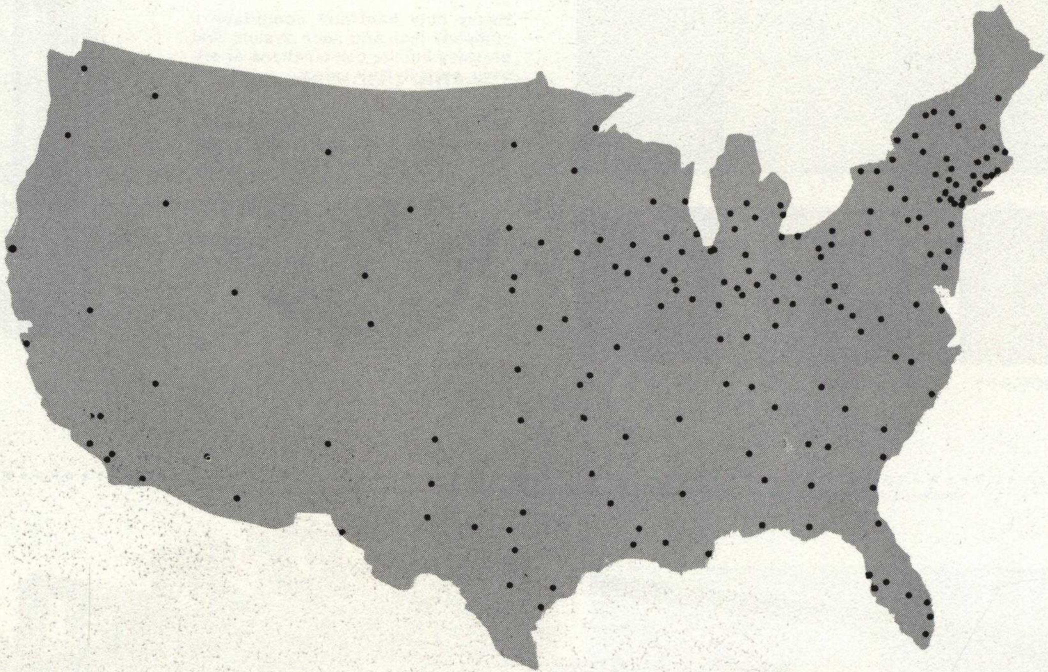
Nylon trolleys—four on the lead post, and two on each full panel—give smooth, silent operation. Staggered design permits trolleys to overlap and reduce stack space to an absolute minimum.

Positive-acting latch secures partition to the jamb, or another partition. Easily converted to key-operated lock in the field.

Floating trolley hangers pivot inside panels as door is operated to eliminate all binding and provide easy, finger-tip operation.







Modernfold doors are sold and serviced from coast to coast by a network of strategically located distributors. Consult the yellow pages for the distributor nearest to you.

modernfold®

Manufacturers of "Modernfold" Folding Doors, "Air Doors," "Modern-Cote" Wall Coverings, and "Peabody" School Furniture. • In Canada: New Castle Products Canada, Ltd., St. Lambert, Que.

New Castle Products, Inc., New Castle, Indiana, U. S. A.

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